

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027913.D
 Acq On : 02 Nov 2018 10:09
 Operator : MD/SY
 Sample : VU1102WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Quant Time: Nov 03 04:18:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	133317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	225540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	204305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94854	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	69293	34.96	ug/l	0.00
Spiked Amount			Recovery	=	69.92%	
35) Dibromofluoromethane	4.88	113	51203	36.01	ug/l	0.00
Spiked Amount			Recovery	=	72.02%	
50) Toluene-d8	7.57	98	193365	35.20	ug/l	0.00
Spiked Amount			Recovery	=	70.40%	
62) 4-Bromofluorobenzene	10.31	95	68865	33.99	ug/l	0.00
Spiked Amount			Recovery	=	67.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	28122	16.601	ug/l	100
3) Chloromethane	1.33	50	33970	16.581	ug/l	97
4) Vinyl Chloride	1.40	62	32860	16.160	ug/l	100
5) Bromomethane	1.63	94	15255	20.524	ug/l	98
6) Chloroethane	1.70	64	19514	16.653	ug/l	96
7) Trichlorofluoromethane	1.89	101	38549	16.406	ug/l	99
8) Diethyl Ether	2.11	74	16292	16.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23043	16.508	ug/l	99
10) Methyl Iodide	2.41	142	13192	16.453	ug/l	99
11) Tert butyl alcohol	2.83	59	41806	79.672	ug/l	99
12) 1,1-Dichloroethene	2.28	96	21649	15.494	ug/l	96
13) Acrolein	2.20	56	11351	53.468	ug/l	92
14) Allyl chloride	2.59	41	52011	15.231	ug/l	98
15) Acrylonitrile	2.94	53	102044	79.169	ug/l	99
16) Acetone	2.32	43	101838	82.811	ug/l	97
17) Carbon Disulfide	2.48	76	73130	16.013	ug/l	99
18) Methyl Acetate	2.62	43	50608	14.960	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	89344	15.856	ug/l	97
20) Methylene Chloride	2.70	84	28343	15.785	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	24253	15.041	ug/l	96
22) Diisopropyl ether	3.57	45	107842	15.296	ug/l #	88
23) Vinyl Acetate	3.53	43	476137	78.582	ug/l	100
24) 1,1-Dichloroethane	3.45	63	53837	15.331	ug/l	99
25) 2-Butanone	4.27	43	155495	79.479	ug/l	99
26) 2,2-Dichloropropane	4.22	77	41742	15.839	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29919	16.546	ug/l	97
28) Bromochloromethane	4.55	49	23698	14.395	ug/l	100
29) Tetrahydrofuran	4.64	42	100102	76.625	ug/l	99
30) Chloroform	4.67	83	49106	15.251	ug/l	92
31) Cyclohexane	5.00	56	55119	14.805	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	39804	15.530	ug/l	97
36) 1,1-Dichloropropene	5.14	75	37286	15.785	ug/l	98
37) Ethyl Acetate	4.39	43	54409	15.720	ug/l	99
38) Carbon Tetrachloride	5.13	117	33517	16.011	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	46591	16.353	ug/l	100
40) Benzene	5.39	78	114993	15.923	ug/l	98
41) Methacrylonitrile	4.55	41	30196	16.348	ug/l	98
42) 1,2-Dichloroethane	5.41	62	40796	15.892	ug/l	100
43) Isopropyl Acetate	5.55	43	86090	15.876	ug/l	99
44) Trichloroethene	6.19	130	25115	16.178	ug/l	96
45) 1,2-Dichloropropane	6.43	63	33644	16.153	ug/l	96
46) Dibromomethane	6.57	93	19281	16.105	ug/l	96
47) Bromodichloromethane	6.76	83	36368	15.763	ug/l	94
48) Methyl methacrylate	6.63	41	41520	15.625	ug/l	98
49) 1,4-Dioxane	6.61	88	15624	360.388	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	281502	77.735	ug/l	99
52) Toluene	7.64	92	66714	15.713	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	41978	15.462	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45808	16.106	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27799	16.093	ug/l	97
56) Ethyl methacrylate	8.02	69	46609	15.301	ug/l	96
57) 1,3-Dichloropropane	8.24	76	49626	15.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	97205	59.581	ug/l	100
59) 2-Hexanone	8.36	43	218677	78.075	ug/l	99
60) Dibromochloromethane	8.48	129	25604	15.664	ug/l	97
61) 1,2-Dibromoethane	8.59	107	29439	16.039	ug/l	99
64) Tetrachloroethene	8.23	164	21367	16.129	ug/l	95
65) Chlorobenzene	9.12	112	68935	15.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24264	16.458	ug/l	99
67) Ethyl Benzene	9.25	91	126496	15.921	ug/l	99
68) m/p-Xylenes	9.38	106	92801	32.191	ug/l	99
69) o-Xylene	9.78	106	45924	15.776	ug/l	98
70) Styrene	9.79	104	74310	15.976	ug/l	99
71) Bromoform	9.96	173	18139	14.680	ug/l #	97
73) Isopropylbenzene	10.17	105	122669	16.694	ug/l	99
74) N-amyl acetate	10.02	43	72851	16.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48547	16.379	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	55291	21.311	ug/l	81
77) Bromobenzene	10.45	156	29125	17.285	ug/l	98
78) n-propylbenzene	10.59	91	142401	16.190	ug/l	100
79) 2-Chlorotoluene	10.66	91	85258	16.171	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	100305	16.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	55291	53.191	ug/l #	100
82) 4-Chlorotoluene	10.77	91	95816	16.008	ug/l	99
83) tert-Butylbenzene	11.10	119	98532	16.191	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	102742	16.762	ug/l	100
85) sec-Butylbenzene	11.32	105	122469	16.548	ug/l	99
86) p-Isopropyltoluene	11.48	119	100631	16.265	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	49815	16.004	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	49680	15.572	ug/l	95
89) n-Butylbenzene	11.89	91	90610	15.410	ug/l	100
90) Hexachloroethane	12.15	117	17340	15.742	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	50811	16.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10343	16.560	ug/l	95

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Quant Time: Nov 03 04:18:37 2018
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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

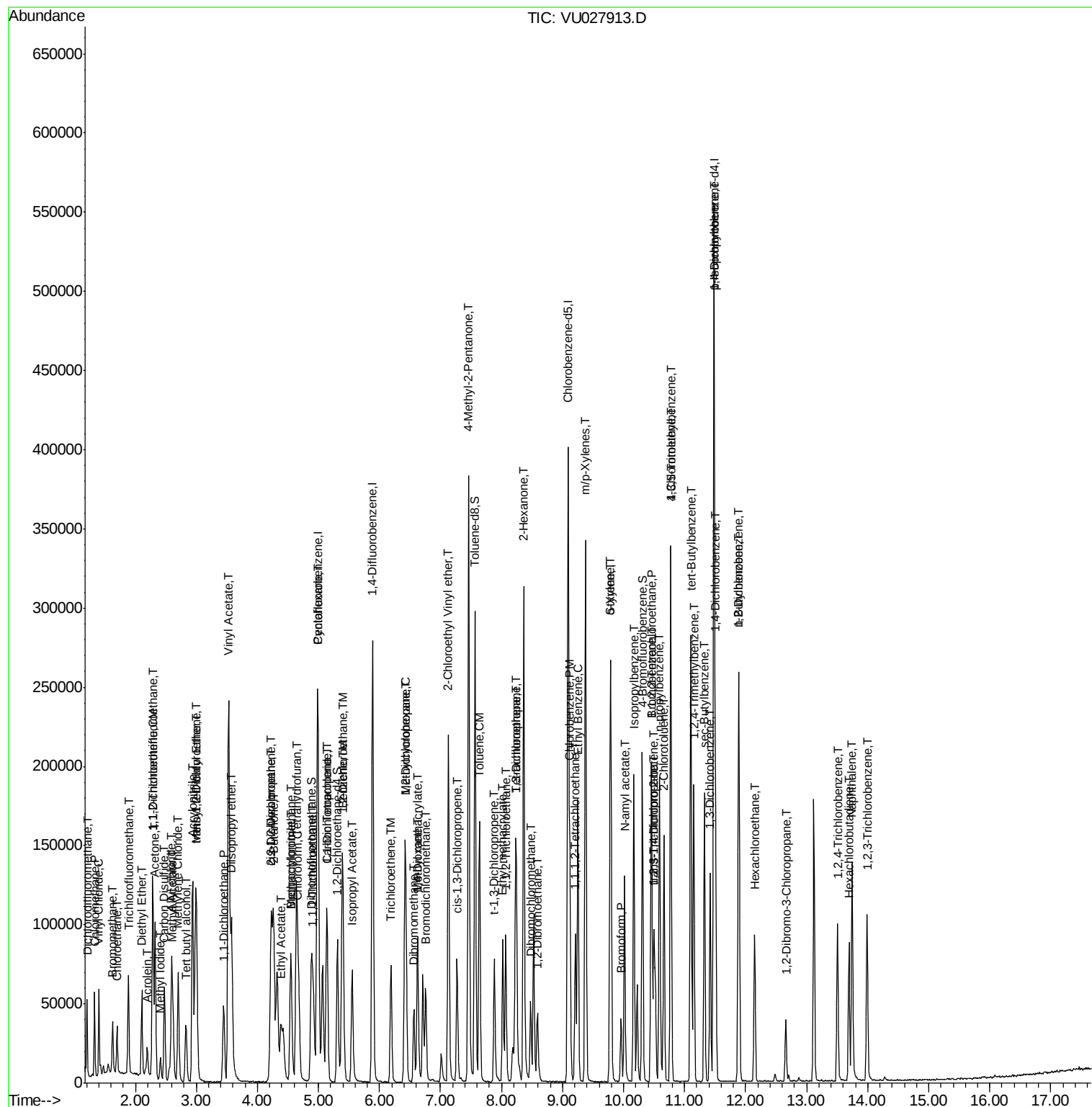
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	32083	15.099	ug/l	94
94) Hexachlorobutadiene	13.69	225	17017	17.105	ug/l	97
95) Naphthalene	13.75	128	111144	14.155	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	33481	15.940	ug/l	99

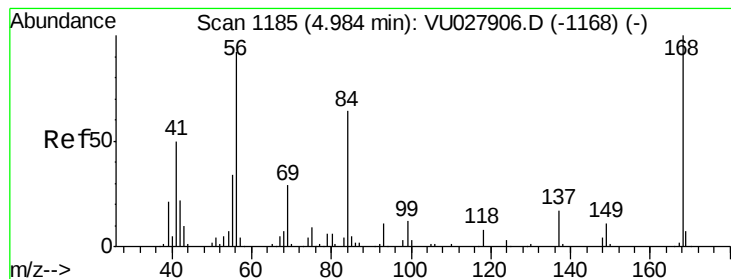
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

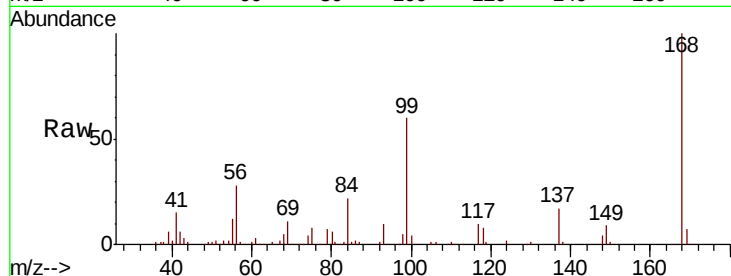
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:168 Resp: 133317

Ion Ratio Lower Upper

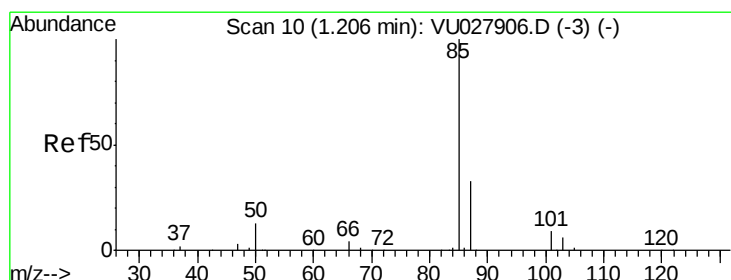
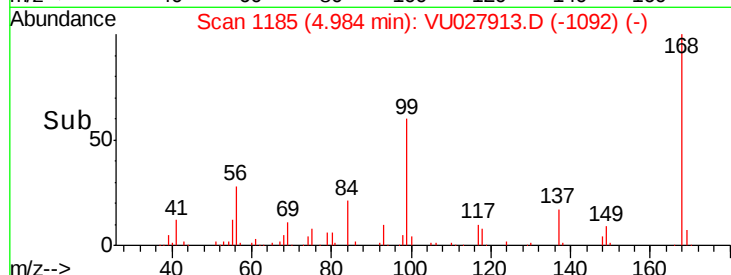
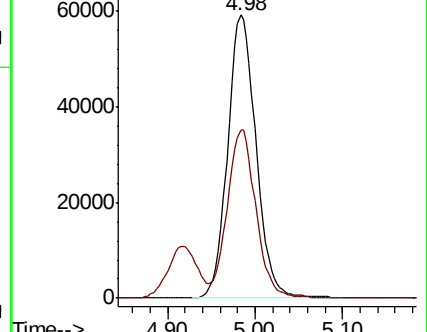
168 100

99 59.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)



#2

Dichlorodifluoromethane

Concen: 16.601 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027913.D

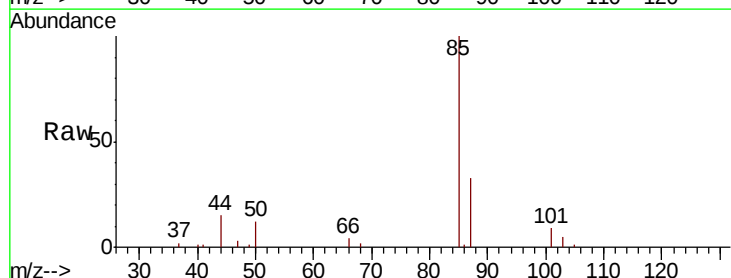
Acq: 02 Nov 2018 10:09

Tgt Ion: 85 Resp: 28122

Ion Ratio Lower Upper

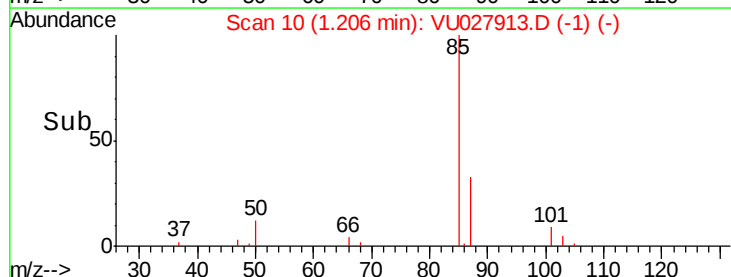
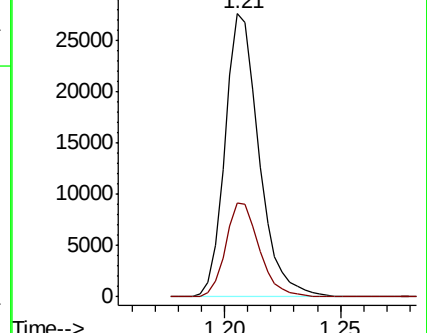
85 100

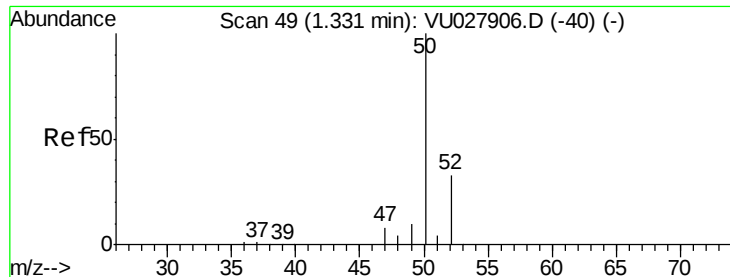
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)





#3

Chloromethane

Concen: 16.581 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

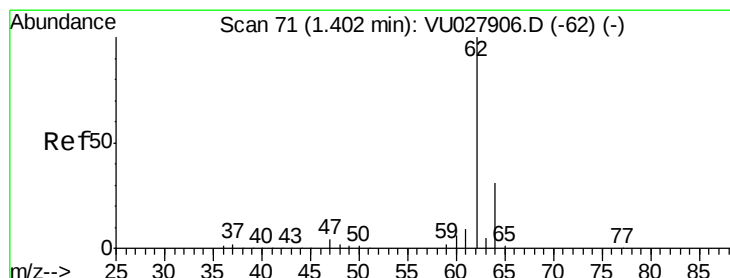
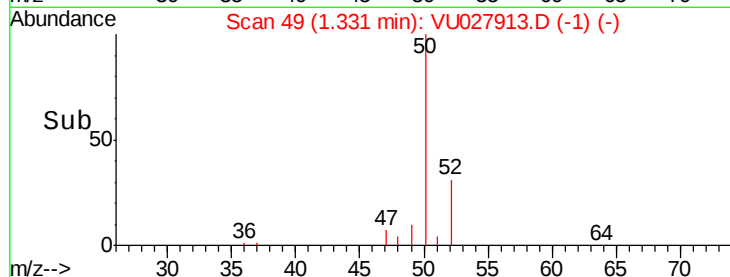
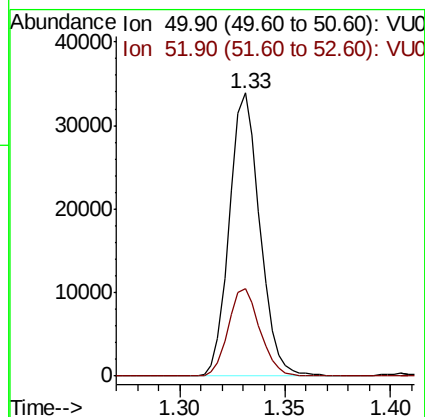
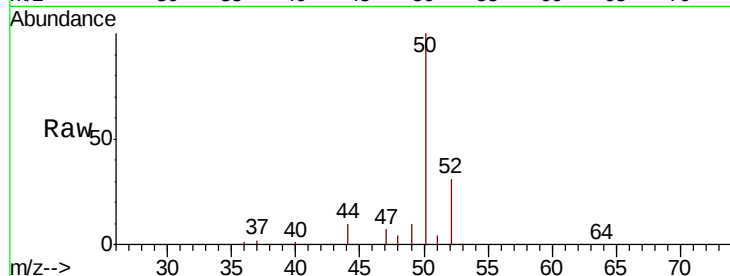
VU1102WBS01

Tot Ion: 50 Resp: 33970

Ion Ratio Lower Upper

50 100

52 31.0 26.2 39.4



#4

Vinyl Chloride

Concen: 16.160 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027913.D

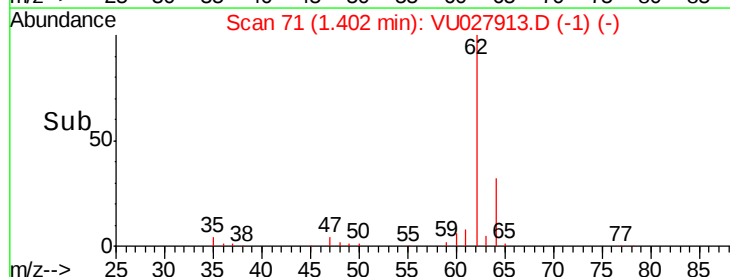
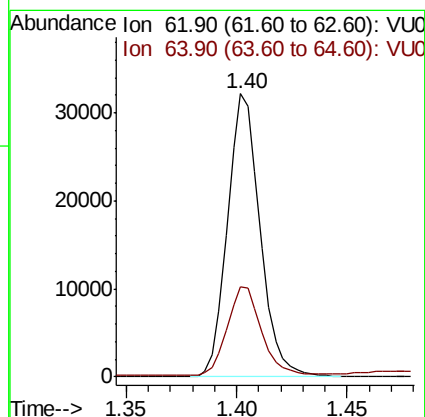
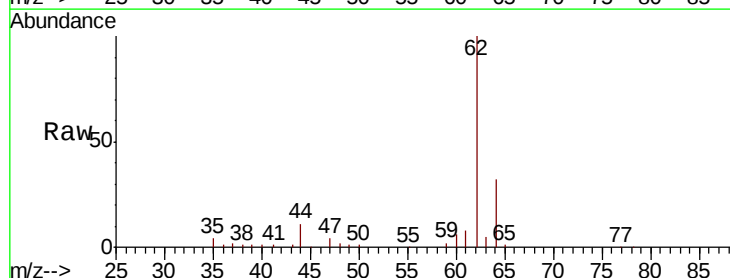
Acq: 02 Nov 2018 10:09

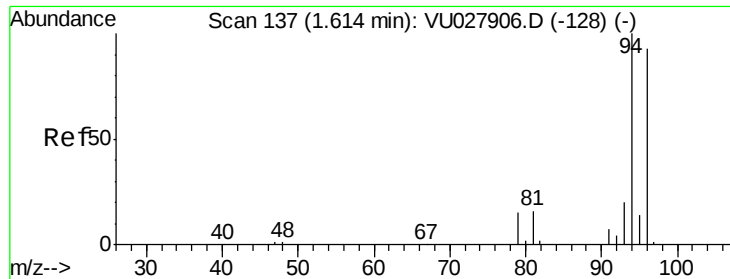
Tgt Ion: 62 Resp: 32860

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 20.524 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

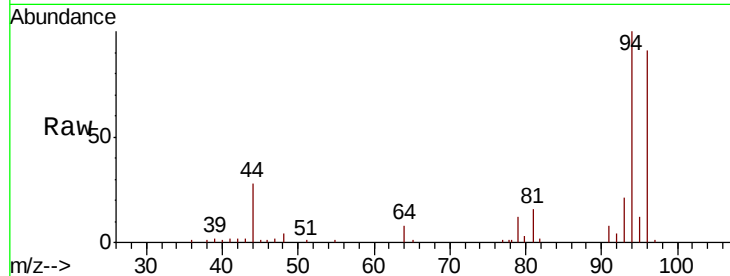
VU1102WBS01

Tot Ion: 94 Resp: 15255

Ion Ratio Lower Upper

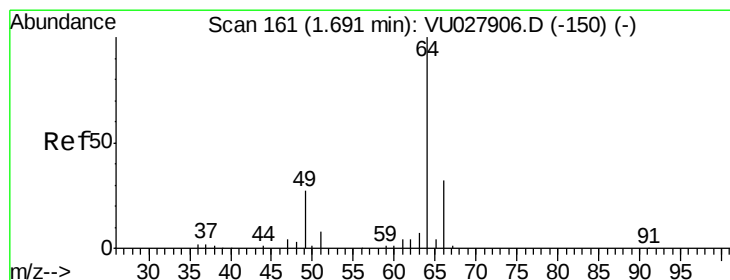
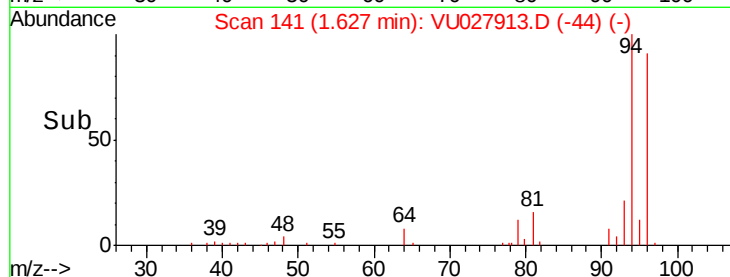
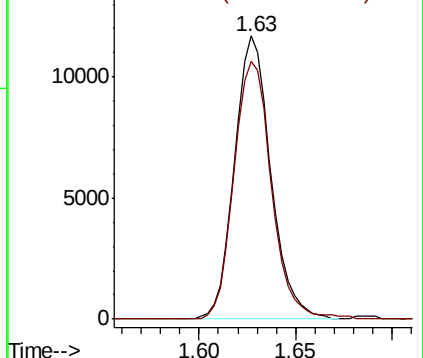
94 100

96 91.2 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 16.653 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027913.D

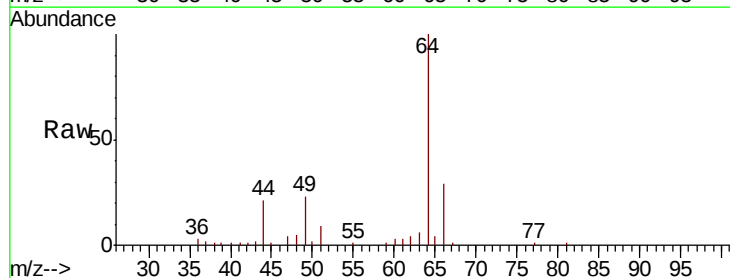
Acq: 02 Nov 2018 10:09

Tgt Ion: 64 Resp: 19514

Ion Ratio Lower Upper

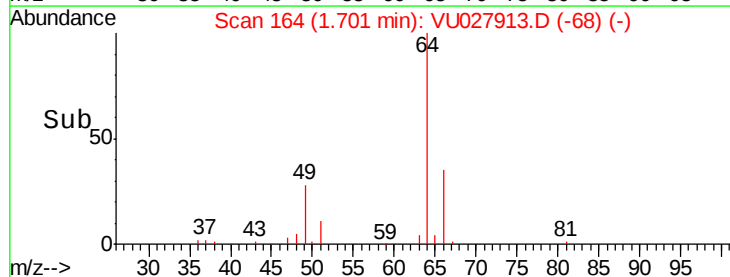
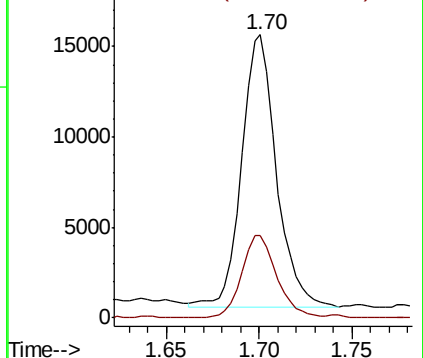
64 100

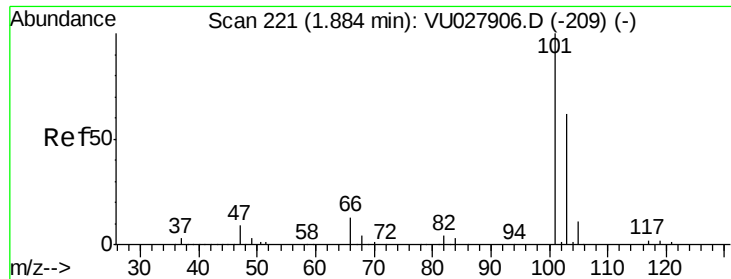
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



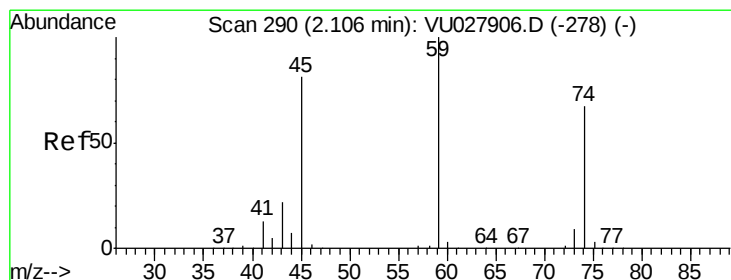
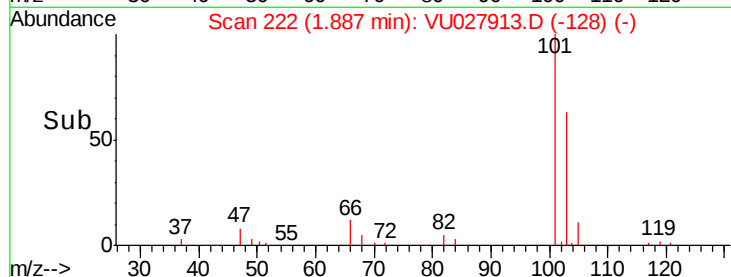
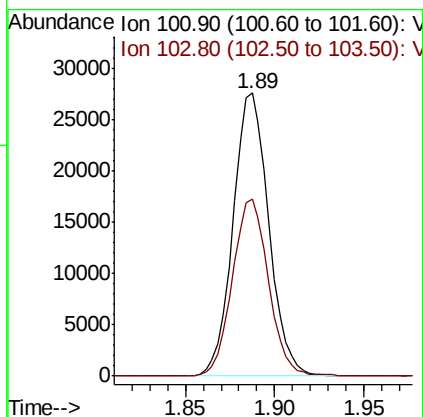
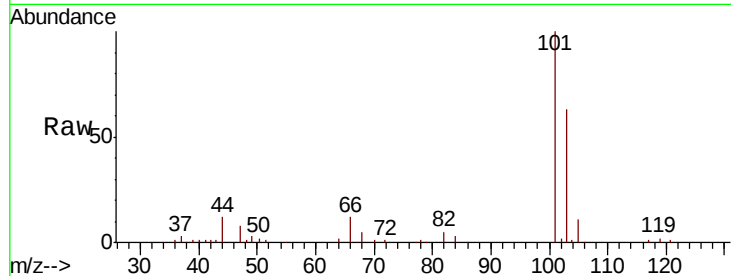


#7

Trichlorofluoromethane
Concen: 16.406 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
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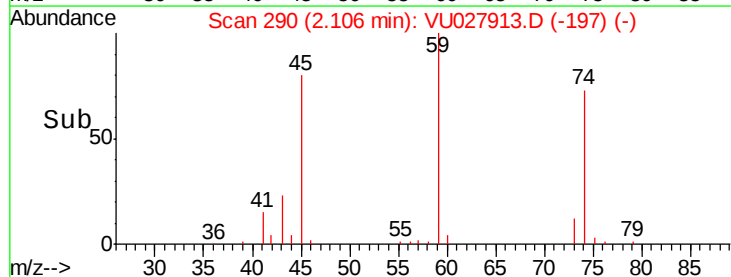
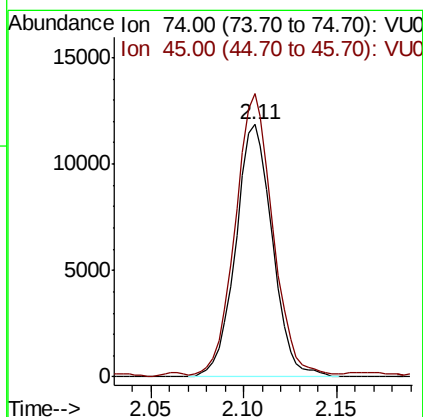
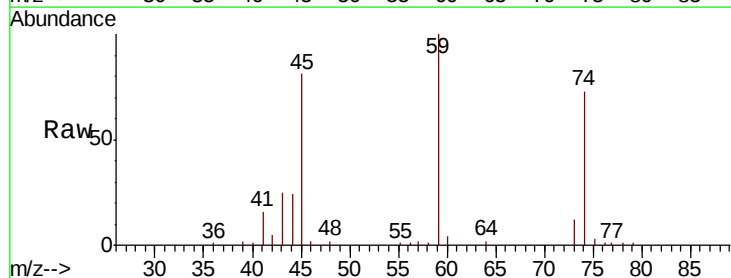
Tot Ion:101 Resp: 38549
Ion Ratio Lower Upper
101 100
103 62.7 49.4 74.2

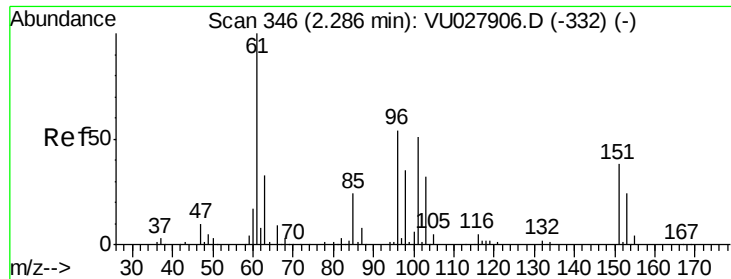


#8

Diethyl Ether
Concen: 16.193 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 74 Resp: 16292
Ion Ratio Lower Upper
74 100
45 112.8 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.508 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

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ClientSampleId :

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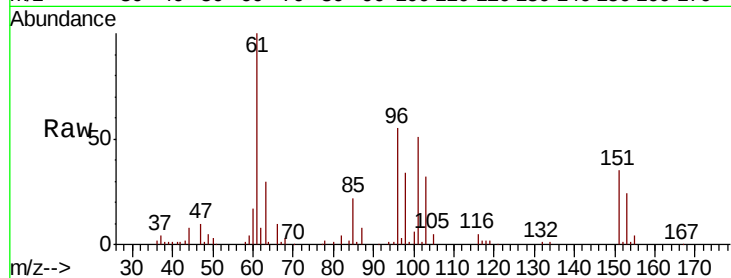
Tot Ion:101 Resp: 23043

Ion Ratio Lower Upper

101 100

85 44.9 36.9 55.3

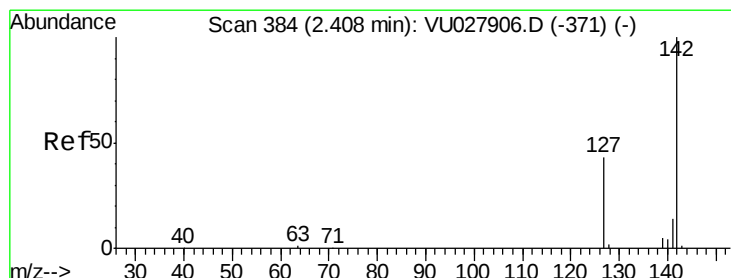
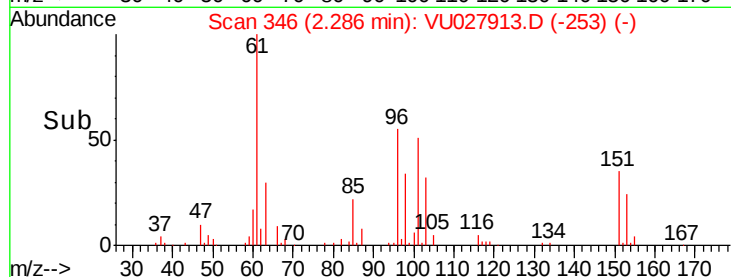
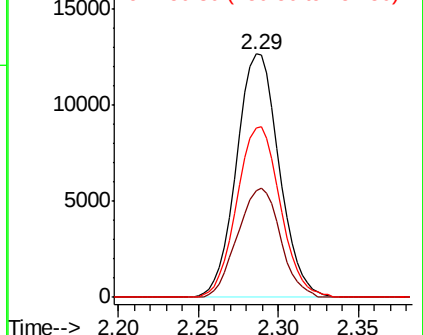
151 71.5 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.453 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

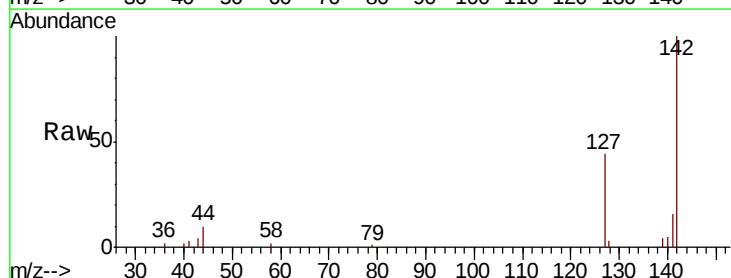
Tgt Ion:142 Resp: 13192

Ion Ratio Lower Upper

142 100

127 43.5 35.2 52.8

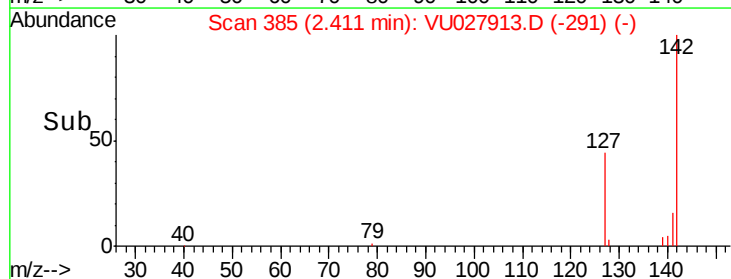
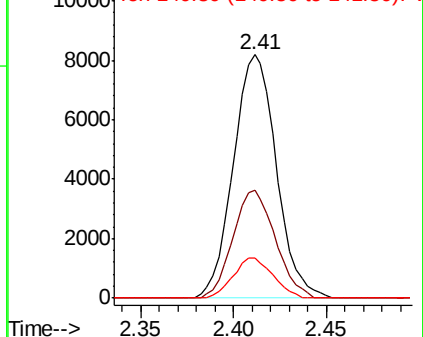
141 15.1 11.8 17.8

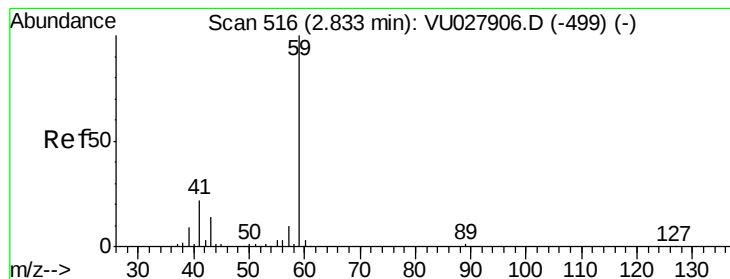


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 79.672 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

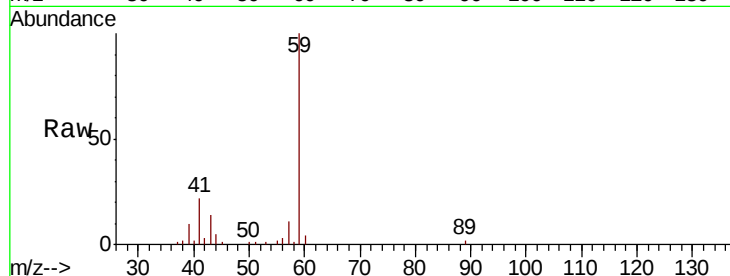
VU1102WBS01

Tot Ion: 59 Resp: 41806

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VU027906.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027906.D (-499) (-)

2.83

20000

15000

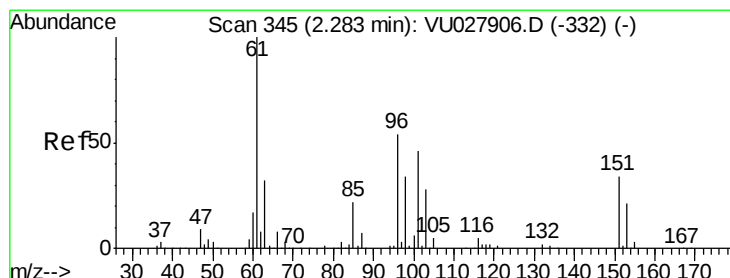
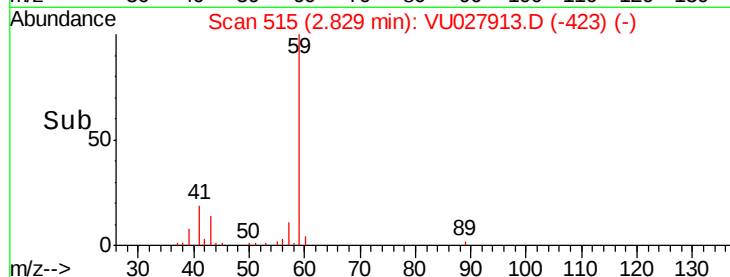
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 15.494 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

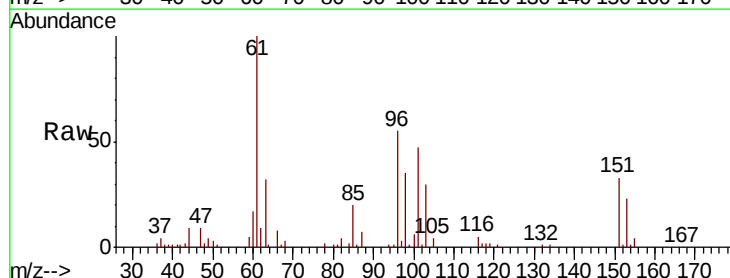
Tgt Ion: 96 Resp: 21649

Ion Ratio Lower Upper

96 100

61 179.8 149.3 223.9

98 62.6 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-332) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-332) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-332) (-)

2.28

30000

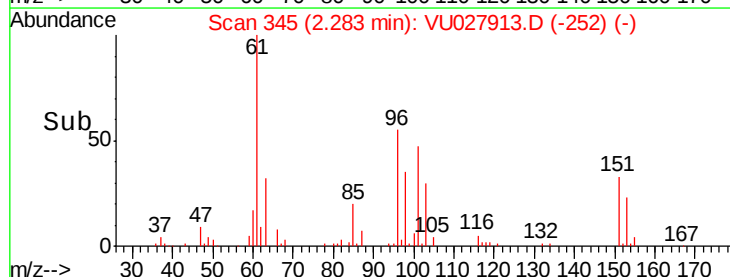
20000

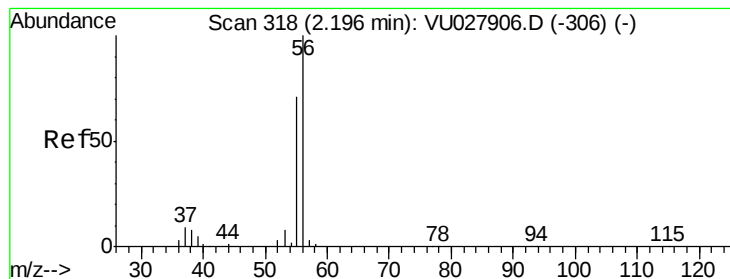
10000

0

Time-->

2.25 2.30 2.35





#13

Acrolein

Concen: 53.468 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

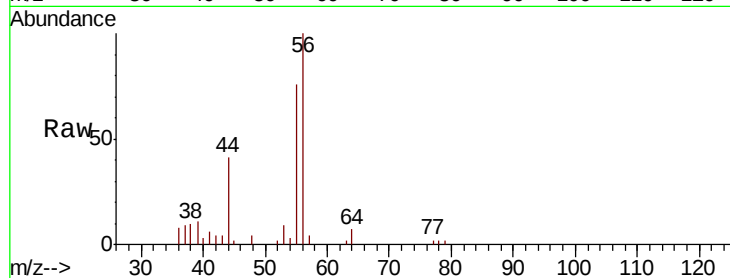
VU1102WBS01

Tot Ion: 56 Resp: 11351

Ion Ratio Lower Upper

56 100

55 77.0 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

8000

6000

4000

2000

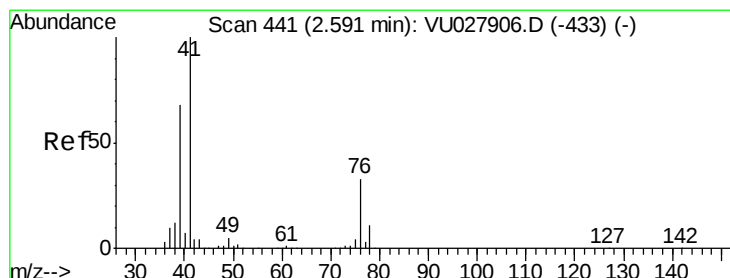
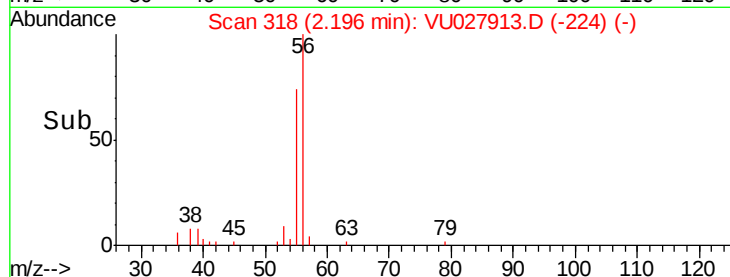
0

Time-->

2.15

2.20

2.25



#14

Allyl chloride

Concen: 15.231 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

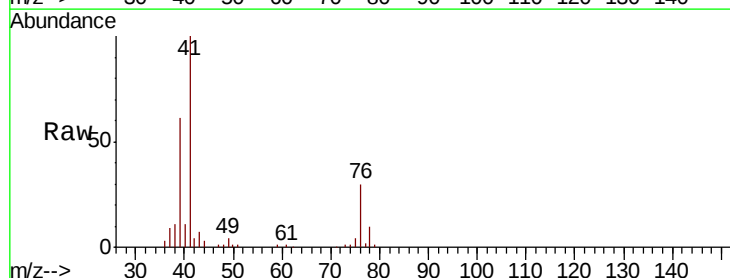
Tgt Ion: 41 Resp: 52011

Ion Ratio Lower Upper

41 100

39 63.6 51.9 77.9

76 28.9 23.8 35.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

40000

30000

20000

10000

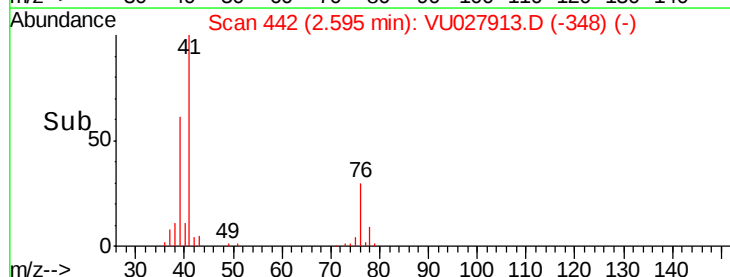
0

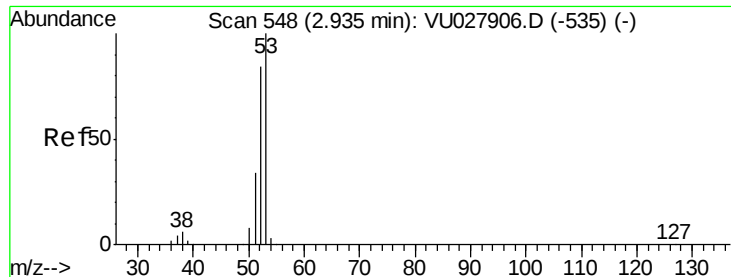
Time-->

2.55

2.60

2.65





#15

Acrylonitrile

Concen: 79.169 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

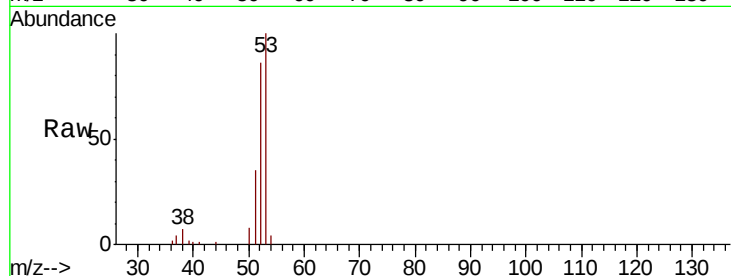
Tot Ion: 53 Resp: 102044

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

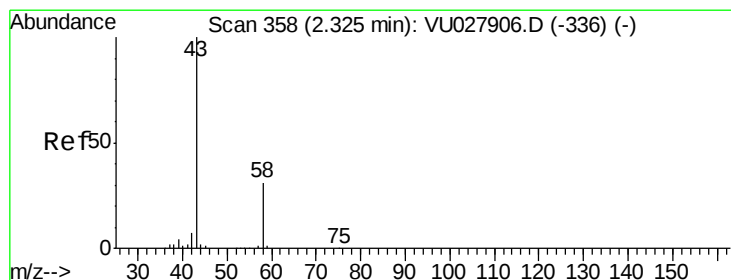
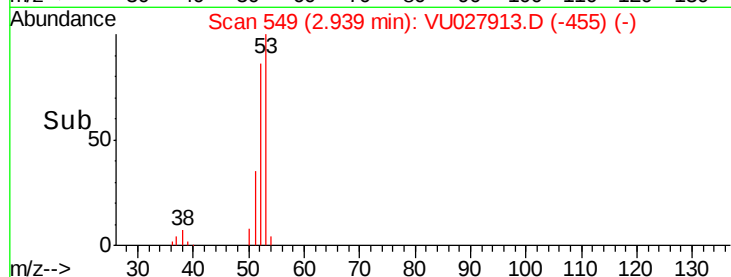
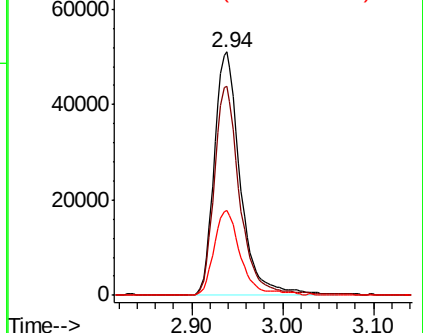
51 34.4 27.0 40.4



Abundance Ion 53.00 (52.70 to 53.70): VU027913.D (-455) (-)

Ion 52.00 (51.70 to 52.70): VU027913.D (-455) (-)

Ion 51.00 (50.70 to 51.70): VU027913.D (-455) (-)



#16

Acetone

Concen: 82.811 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027913.D

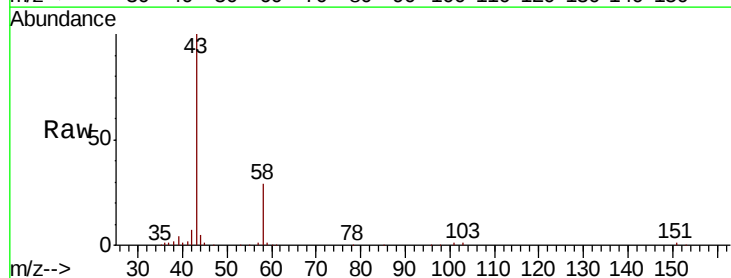
Acq: 02 Nov 2018 10:09

Tgt Ion: 43 Resp: 101838

Ion Ratio Lower Upper

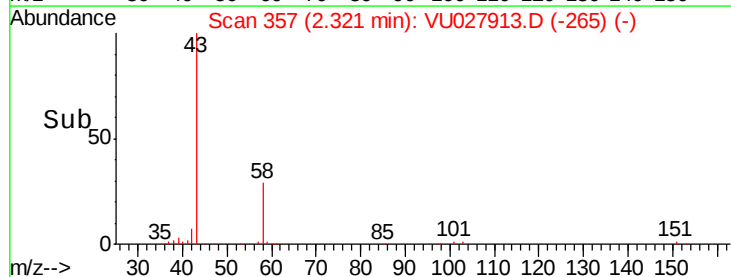
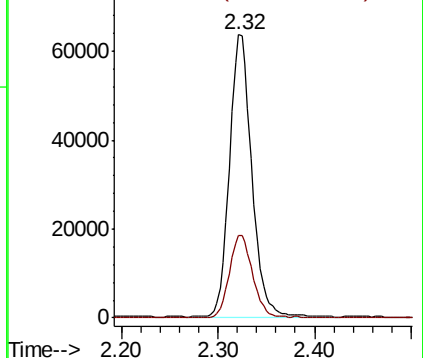
43 100

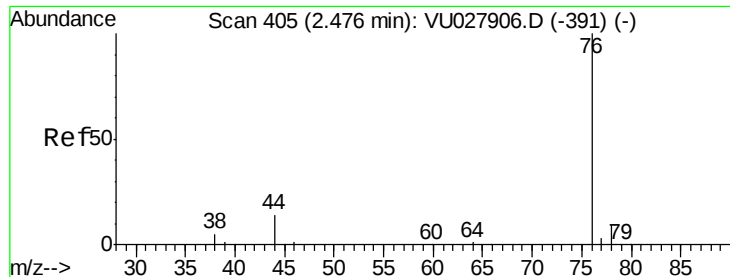
58 29.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU027913.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027913.D (-265) (-)





#17

Carbon Disulfide

Concen: 16.013 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

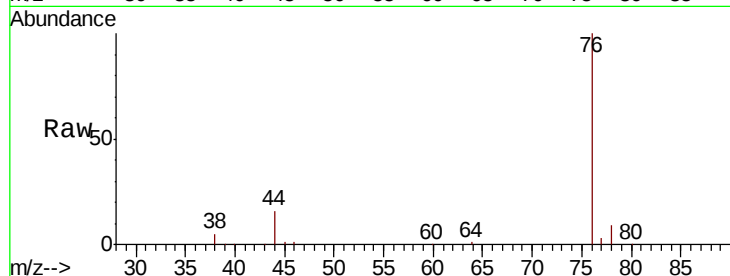
VU1102WBS01

Tot Ion: 76 Resp: 73130

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027913.D (-312) (-)

2.48

50000

40000

30000

20000

10000

0

Time-->

2.40 2.45 2.50 2.55

2.48

2.48

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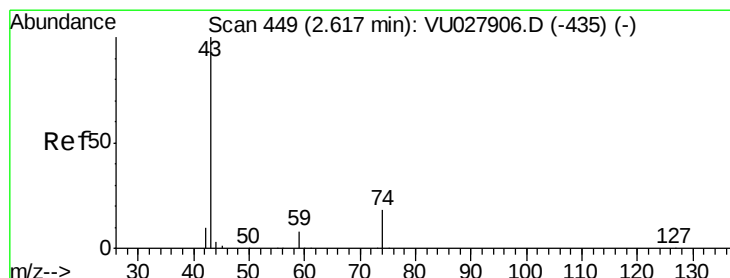
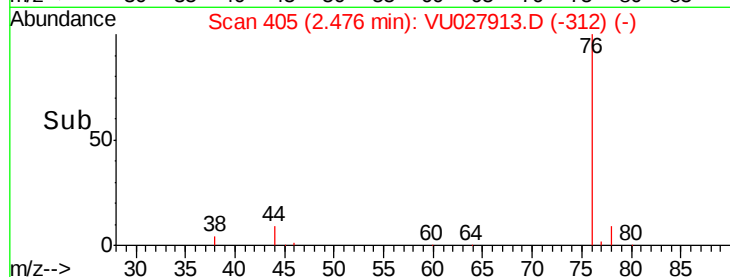
2.48

2.48

2.48

2.48

2.48



#18

Methyl Acetate

Concen: 14.960 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027913.D

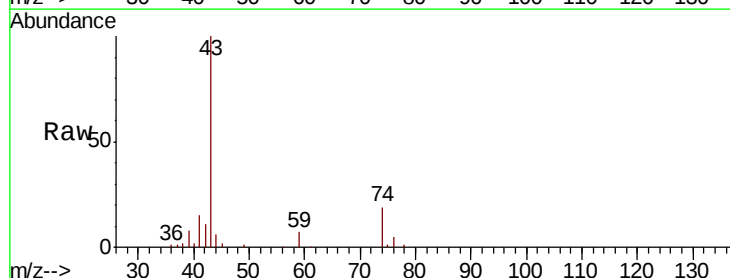
Acq: 02 Nov 2018 10:09

Tgt Ion: 43 Resp: 50608

Ion Ratio Lower Upper

43 100

74 19.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-435) (-)

Ion 74.00 (73.70 to 74.70): VU027913.D (-356) (-)

2.62

30000

20000

10000

0

Time-->

2.55 2.60 2.65 2.70

2.62

2.62

2.62

2.62

2.62

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2.62

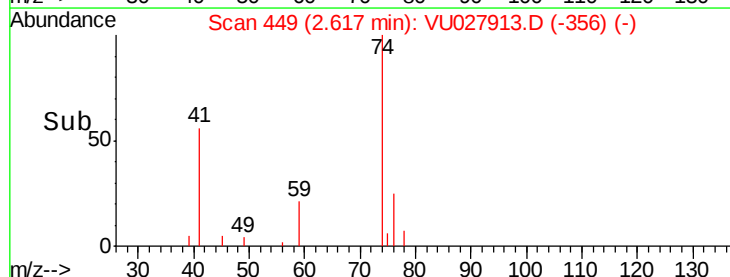
2.62

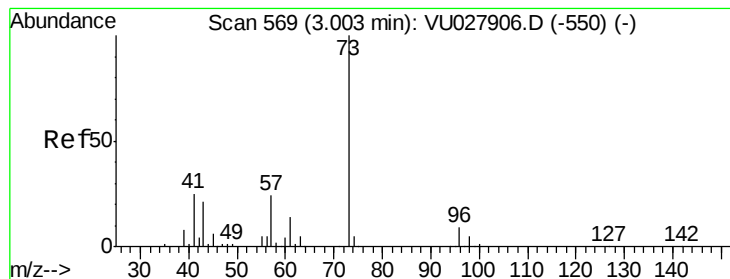
2.62

2.62

2.62

2.62



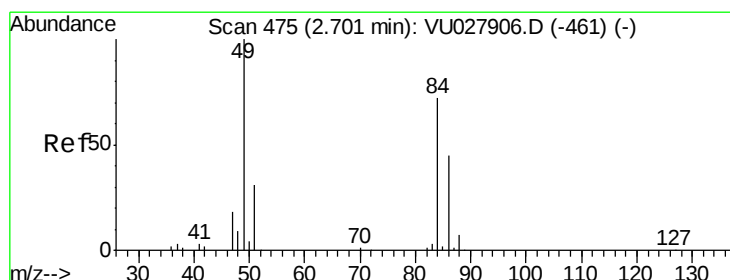
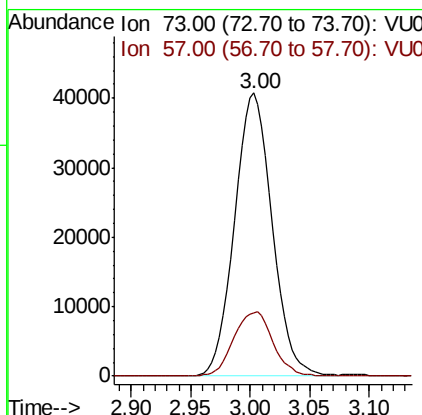
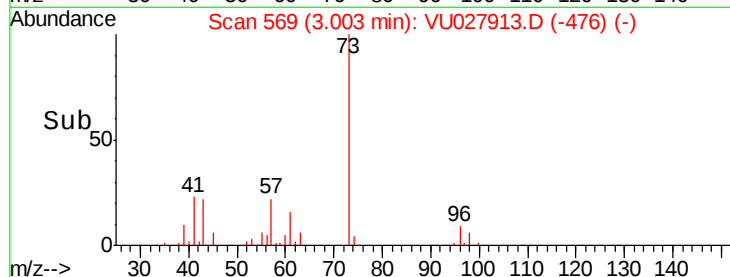
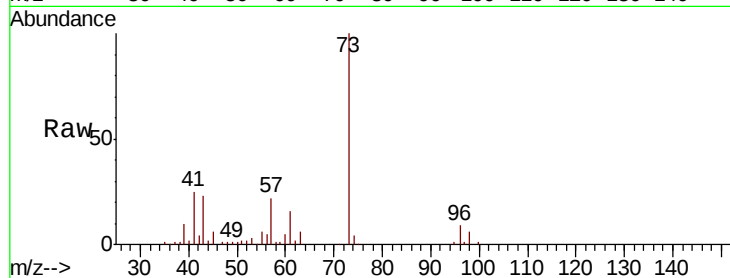


#19

Methyl tert-butyl Ether
 Concen: 15.856 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

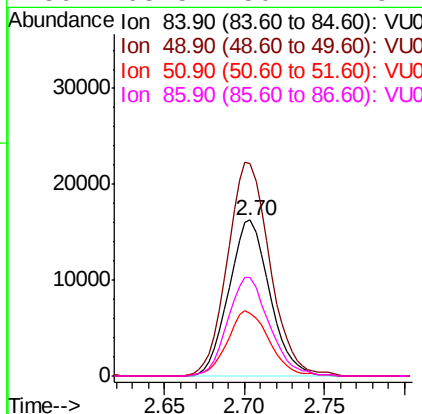
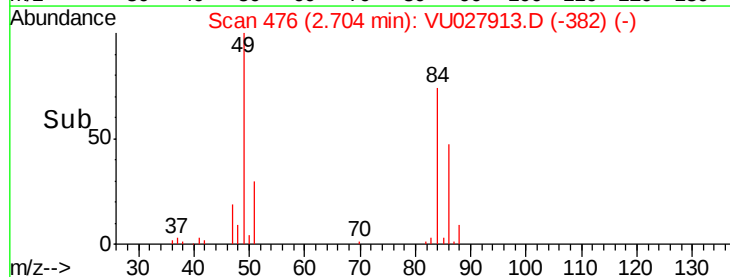
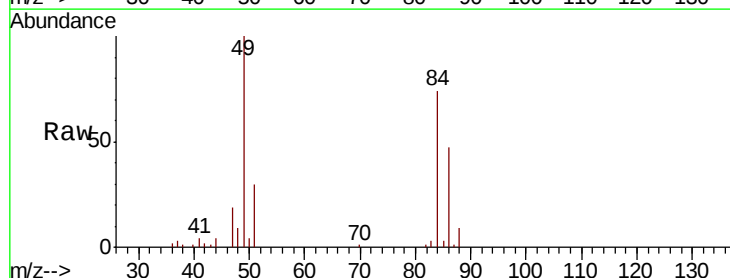
Tot Ion: 73 Resp: 89344
 Ion Ratio Lower Upper
 73 100
 57 22.5 19.3 28.9

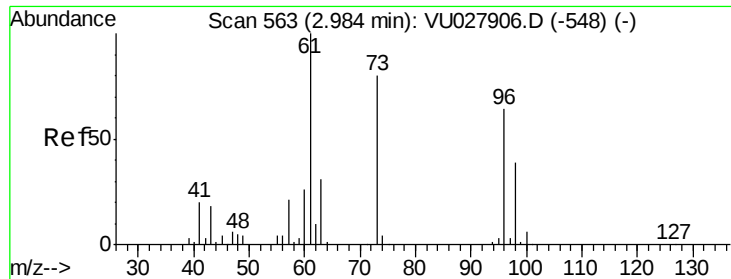


#20

Methylene Chloride
 Concen: 15.785 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 84 Resp: 28343
 Ion Ratio Lower Upper
 84 100
 49 135.3 111.6 167.4
 51 40.7 34.8 52.2
 86 63.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 15.041 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

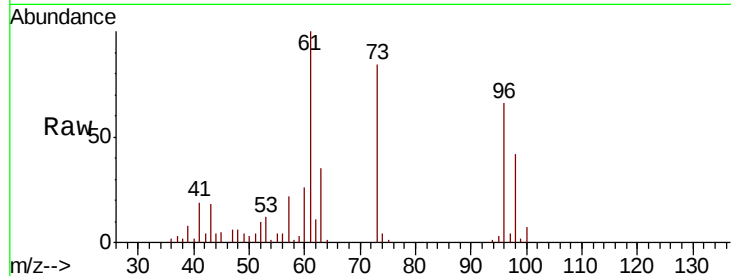
Tot Ion: 96 Resp: 24253

Ion Ratio Lower Upper

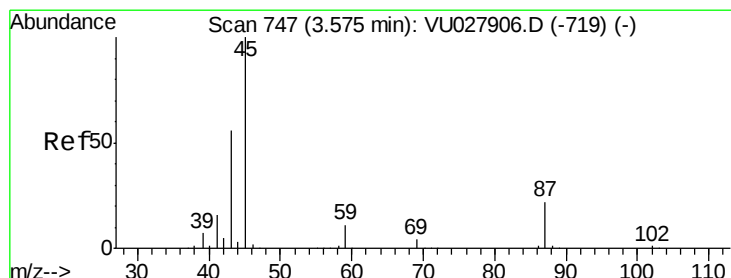
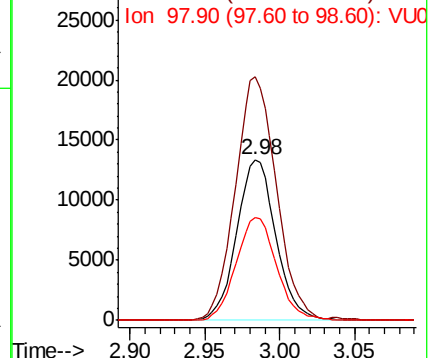
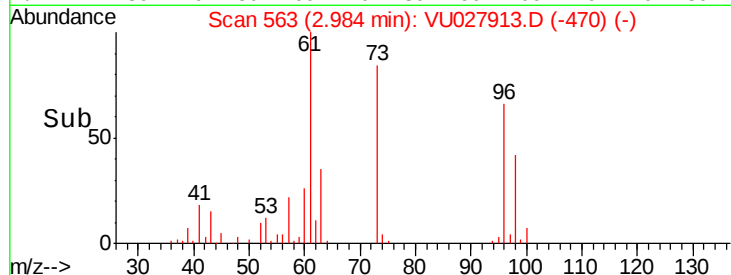
96 100

61 151.3 125.0 187.6

98 64.2 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027913.D (-470) (-)



#22

Diisopropyl ether

Concen: 15.296 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion: 45 Resp: 107842

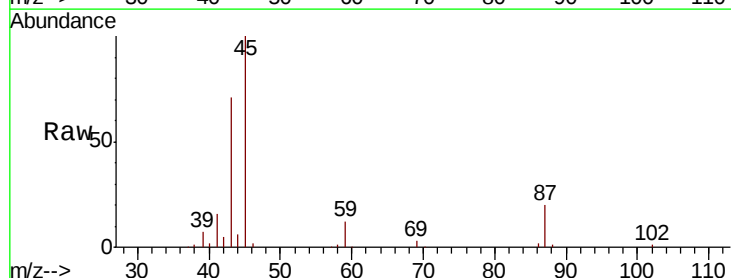
Ion Ratio Lower Upper

45 100

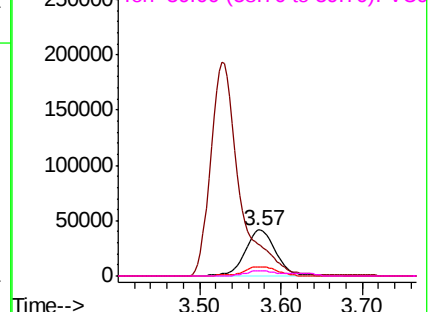
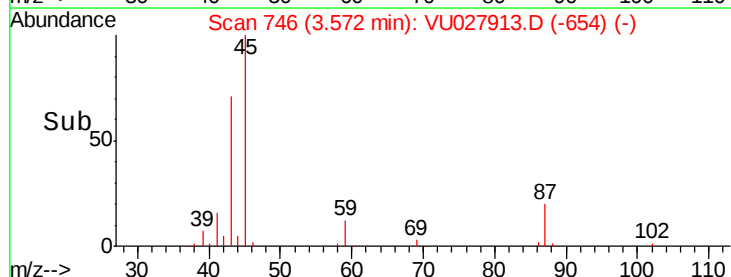
43 68.4 45.0 67.6#

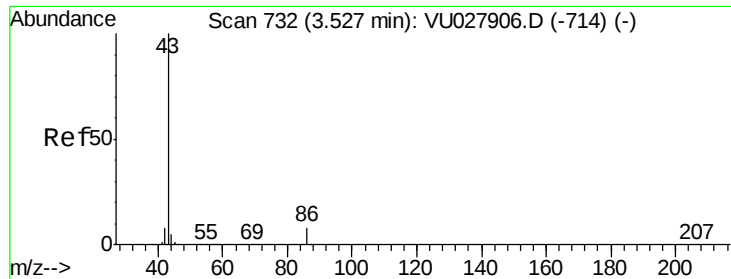
87 20.4 17.9 26.9

59 12.1 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VU027913.D (-654) (-)





#23

Vinyl Acetate

Concen: 78.582 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

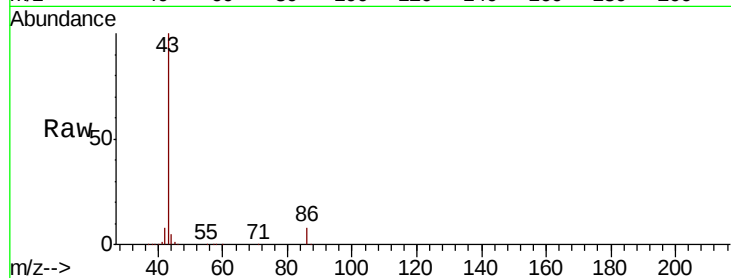
VU1102WBS01

Tot Ion: 43 Resp: 476137

Ion Ratio Lower Upper

43 100

86 8.3 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VU027913.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027913.D (-639) (-)

3.53

200000

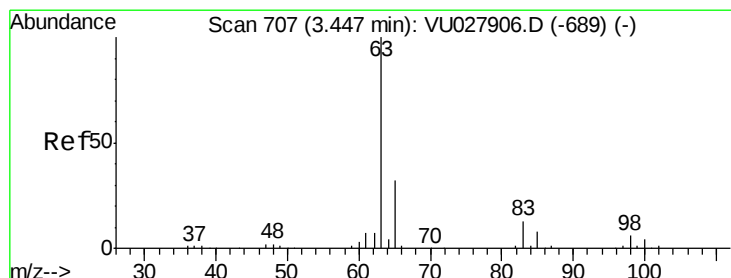
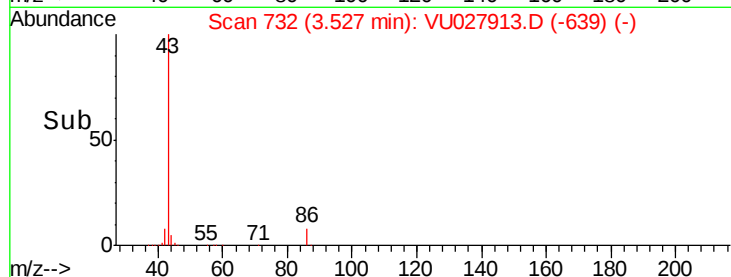
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 15.331 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

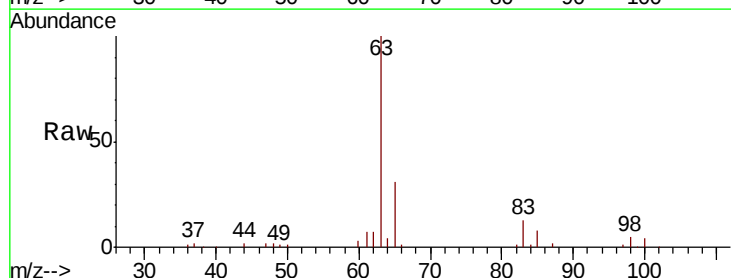
Tgt Ion: 63 Resp: 53837

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.6

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU027913.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027913.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027913.D (-614) (-)

3.45

30000

25000

20000

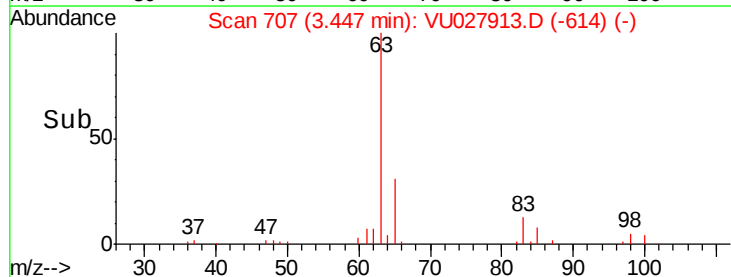
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 79.479 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

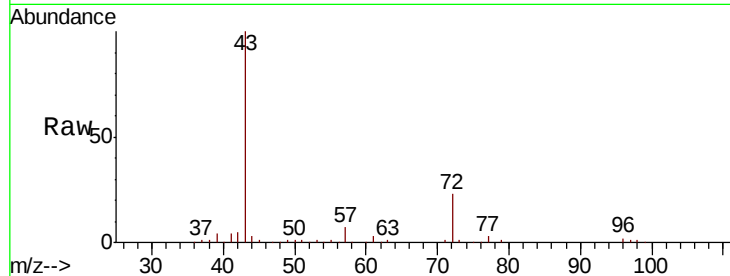
VU1102WBS01

Tot Ion: 43 Resp: 155495

Ion Ratio Lower Upper

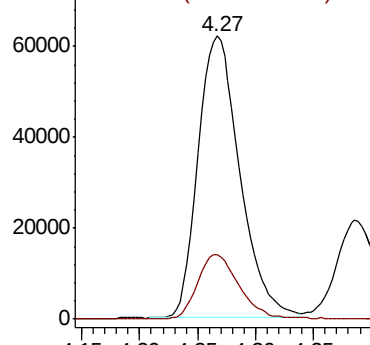
43 100

72 22.8 17.7 26.5

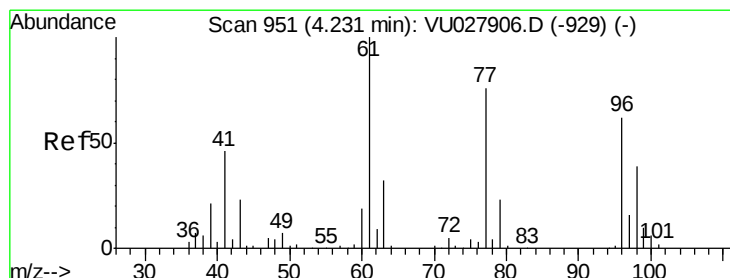
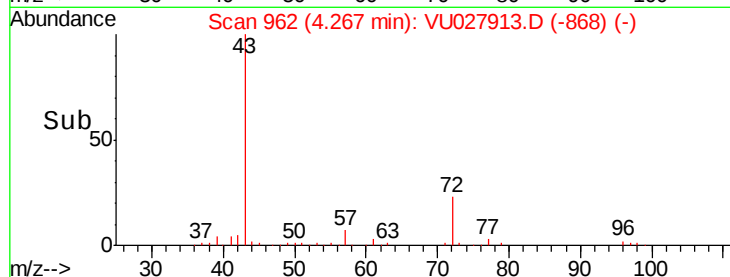


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



Time--> 4.15 4.20 4.25 4.30 4.35



#26

2,2-Dichloropropane

Concen: 15.839 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027913.D

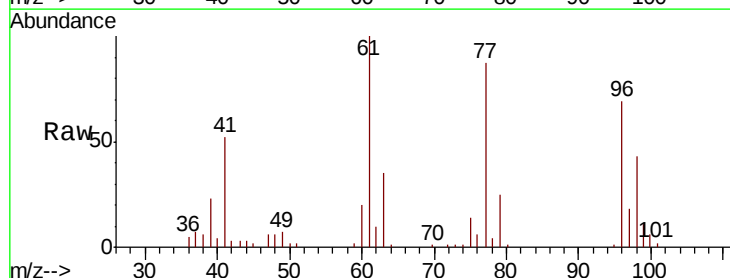
Acq: 02 Nov 2018 10:09

Tgt Ion: 77 Resp: 41742

Ion Ratio Lower Upper

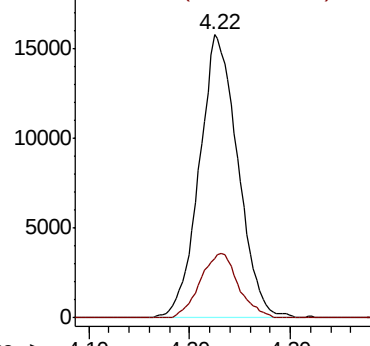
77 100

97 22.5 11.2 33.5

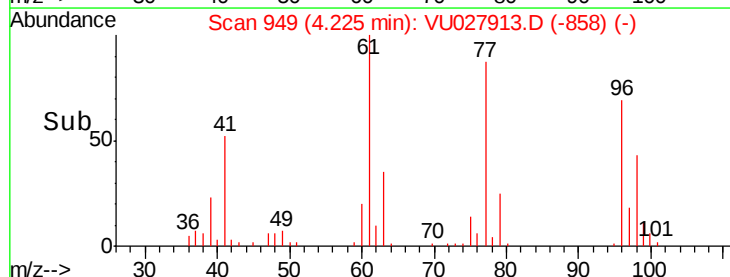


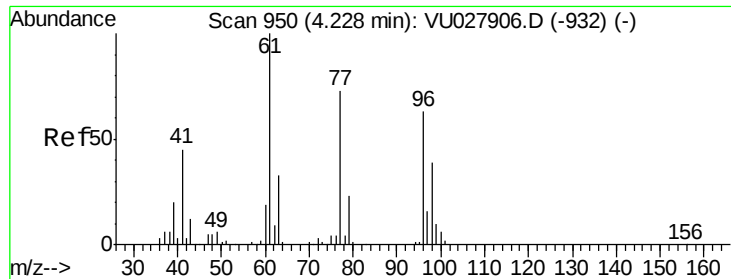
Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time--> 4.10 4.20 4.30



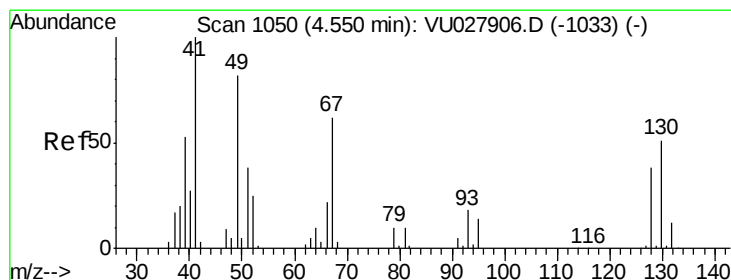
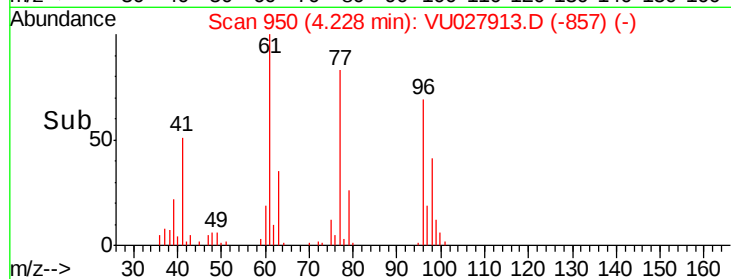
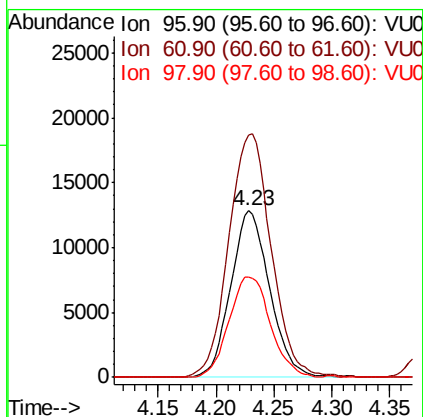
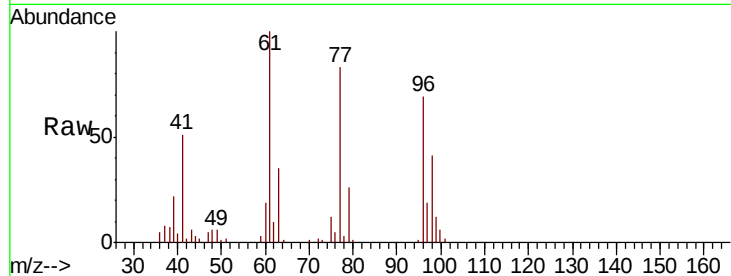


#27

cis-1,2-Dichloroethene
Concen: 16.546 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

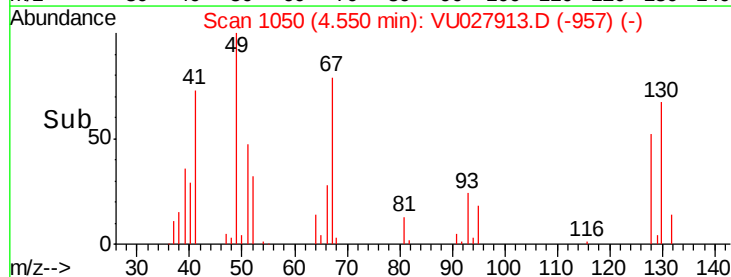
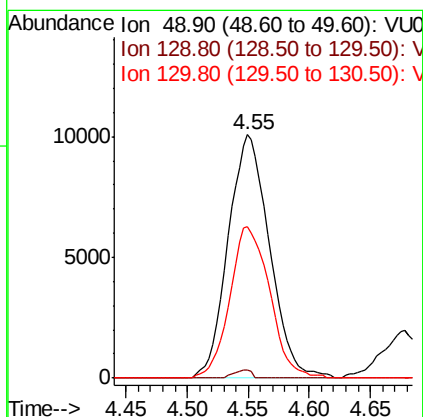
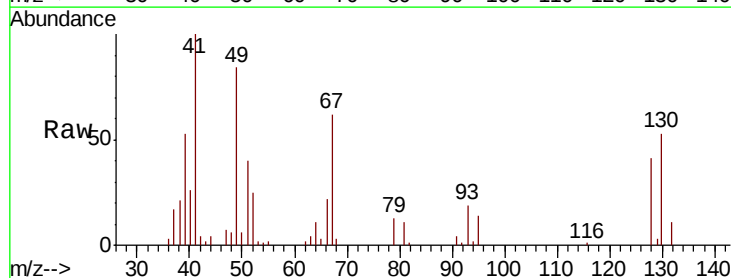
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	329.6
98	64.3	0.0	127.2

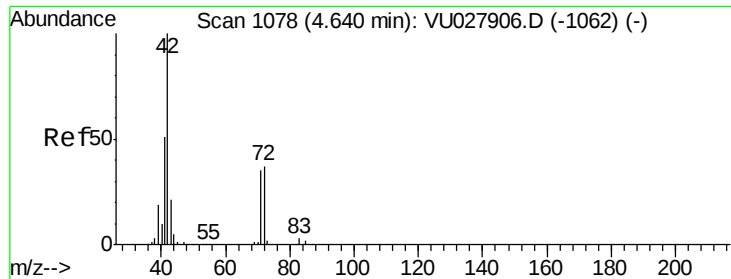


#28

Bromochloromethane
Concen: 14.395 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	60.1	47.8	71.6

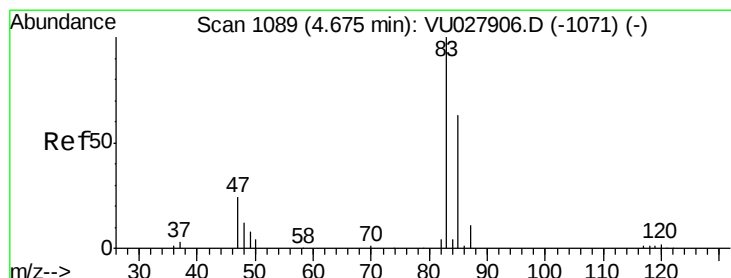
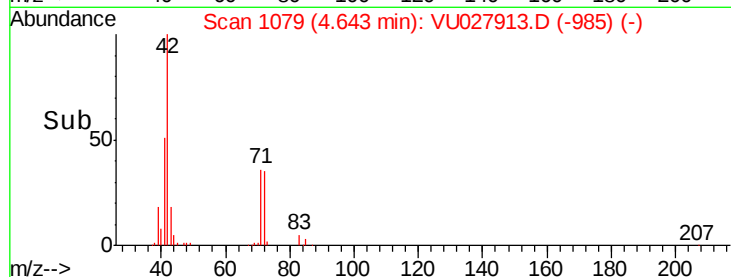
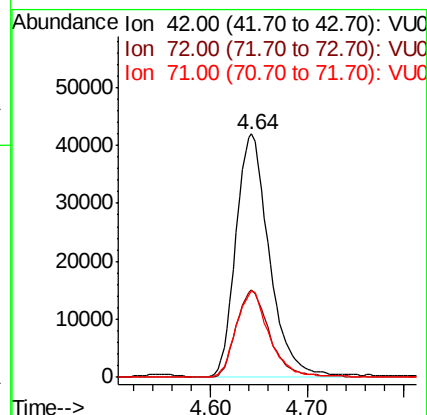
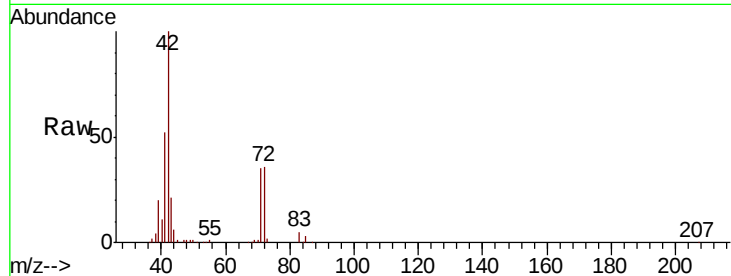




#29
Tetrahydrofuran
Concen: 76.625 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

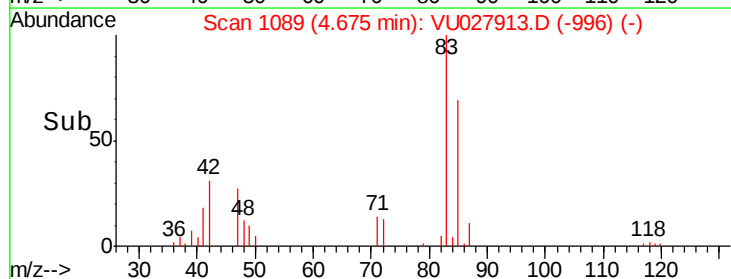
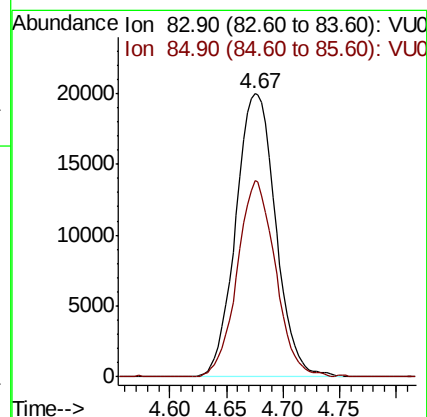
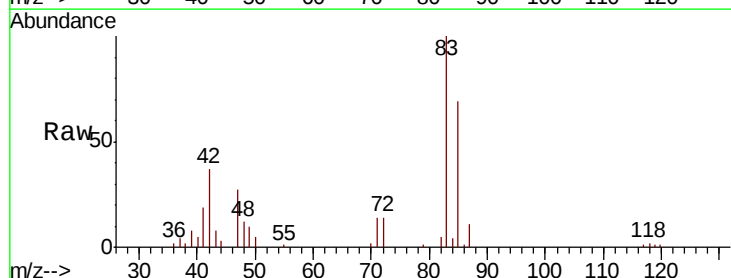
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

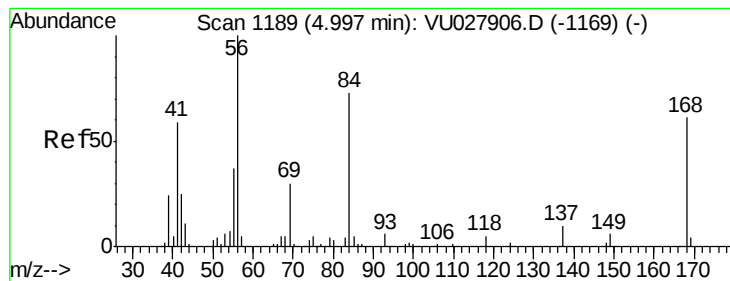
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.4	44.0
71	35.3	27.9	41.9



#30
Chloroform
Concen: 15.251 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.2	50.6	76.0





#31

Cyclohexane

Concen: 14.805 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

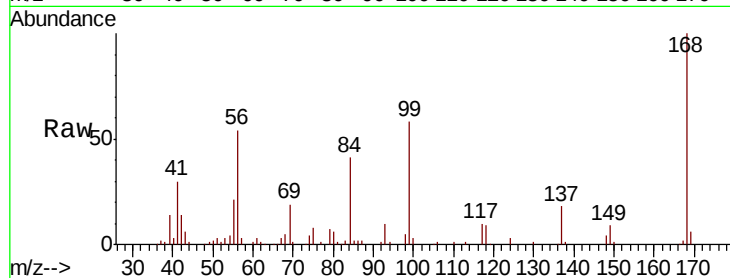
Tot Ion: 56 Resp: 55119

Ion Ratio Lower Upper

56 100

69 35.0 23.7 35.5

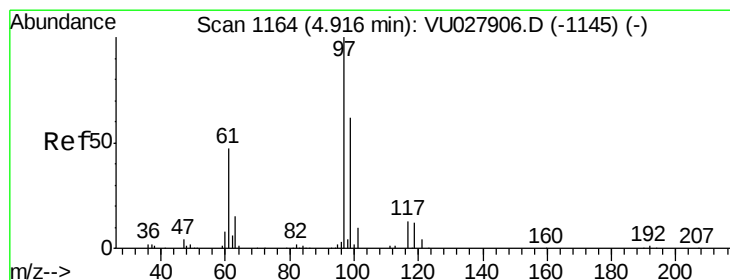
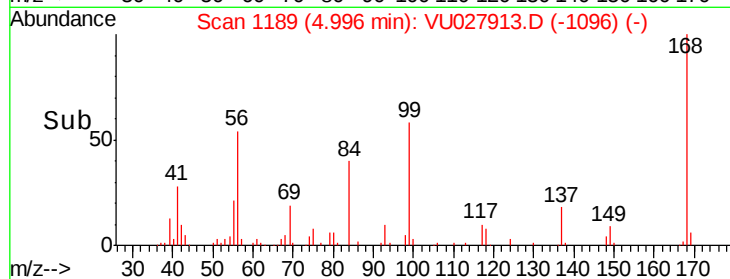
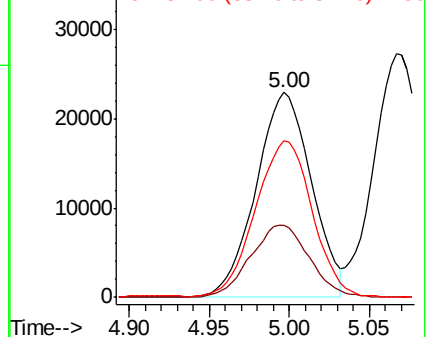
84 76.6 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VU027913.D (-1096) (-)

Ion 69.00 (68.70 to 69.70): VU027913.D (-1096) (-)

Ion 84.00 (83.70 to 84.70): VU027913.D (-1096) (-)



#32

1,1,1-Trichloroethane

Concen: 15.530 ug/l

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

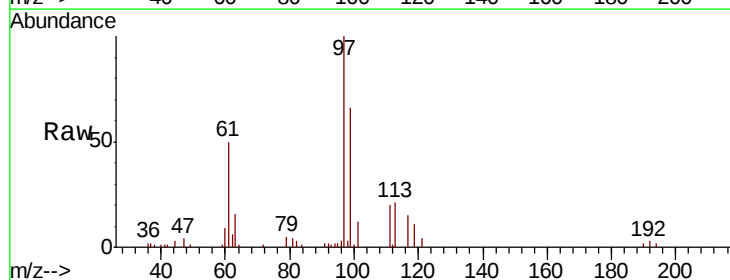
Tgt Ion: 97 Resp: 39804

Ion Ratio Lower Upper

97 100

99 65.7 50.5 75.7

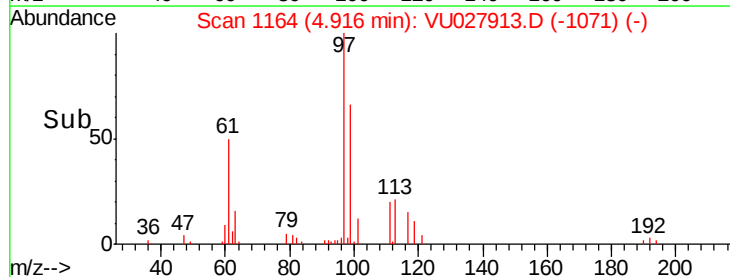
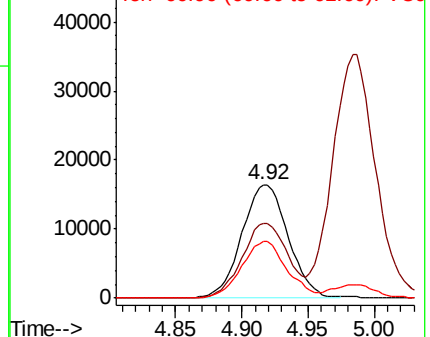
61 49.1 38.3 57.5

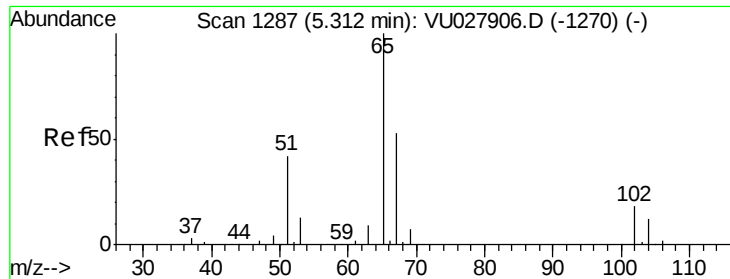


Abundance Ion 96.90 (96.60 to 97.60): VU027913.D (-1071) (-)

Ion 98.90 (98.60 to 99.60): VU027913.D (-1071) (-)

Ion 60.90 (60.60 to 61.60): VU027913.D (-1071) (-)

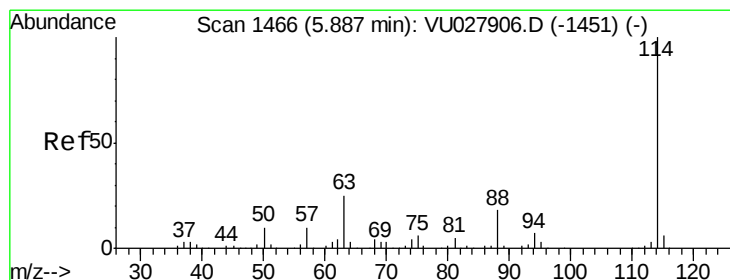
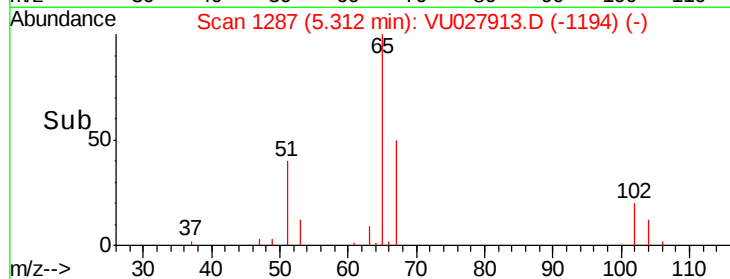
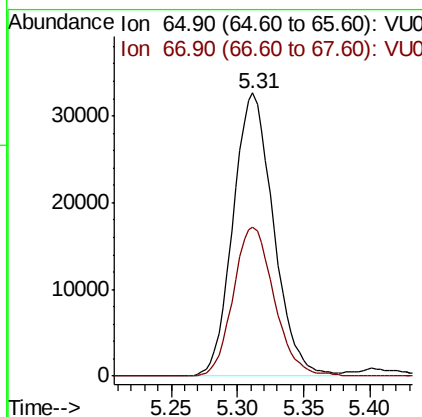
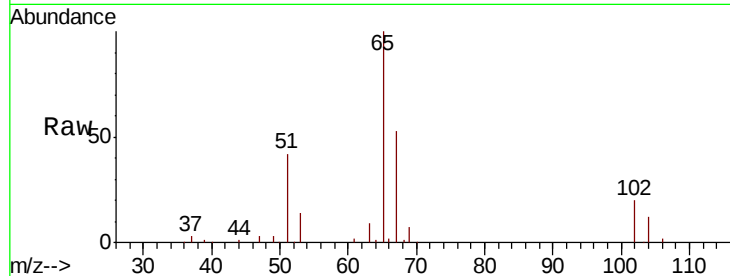




#33
 1,2-Dichloroethane-d4
 Concen: 34.960 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

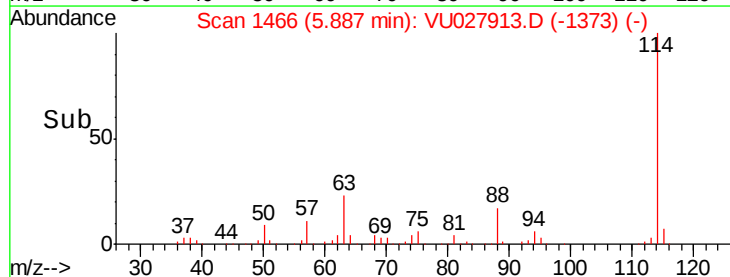
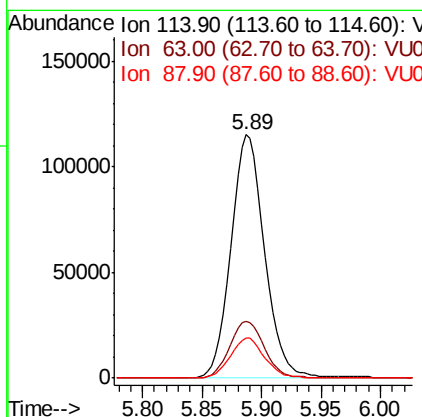
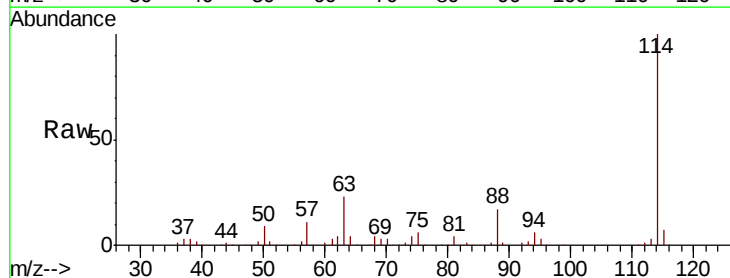
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

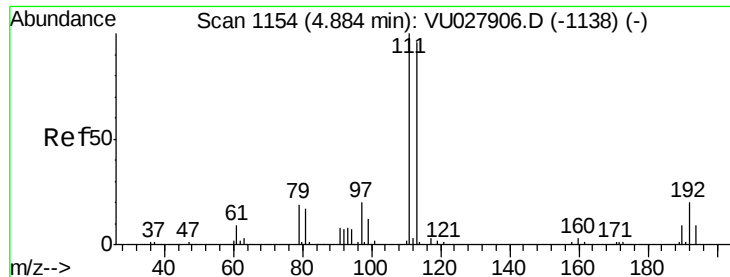
Tot Ion: 65 Resp: 69293
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 114 Resp: 225540
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 50.8
 88 16.6 0.0 35.8

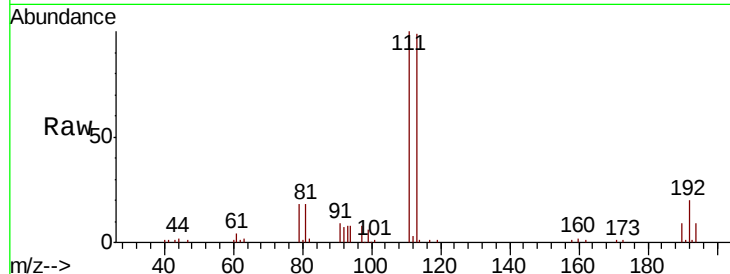




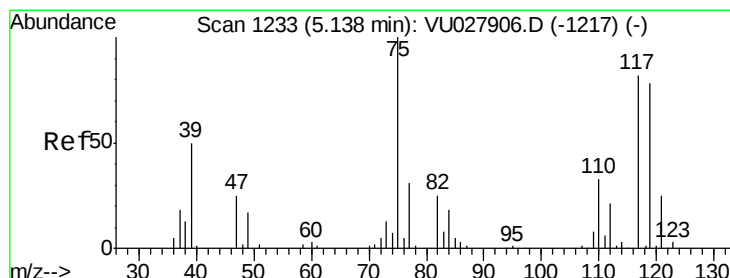
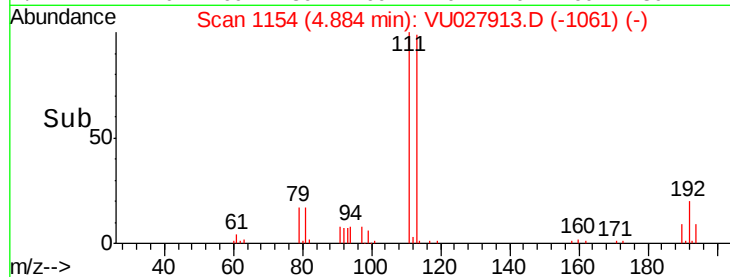
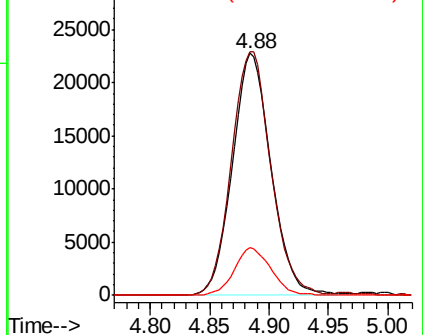
#35
 Dibromofluoromethane
 Concen: 36.006 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:113 Resp: 51203
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.0 124.6
 192 18.6 15.6 23.4

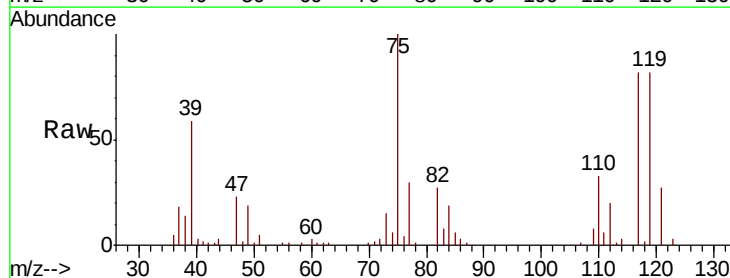


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

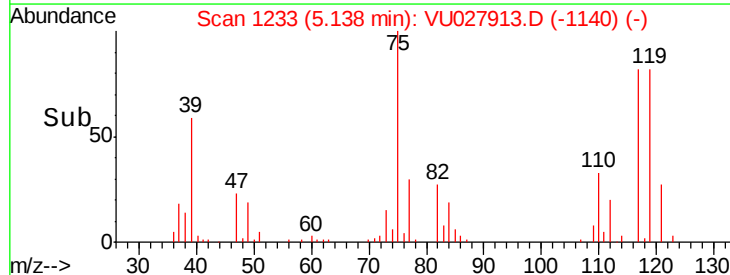
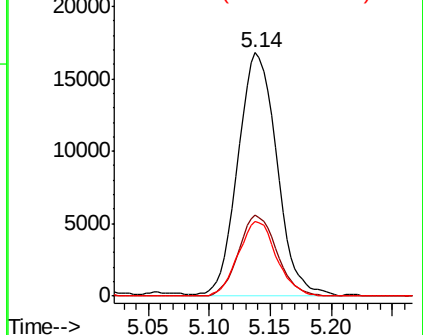


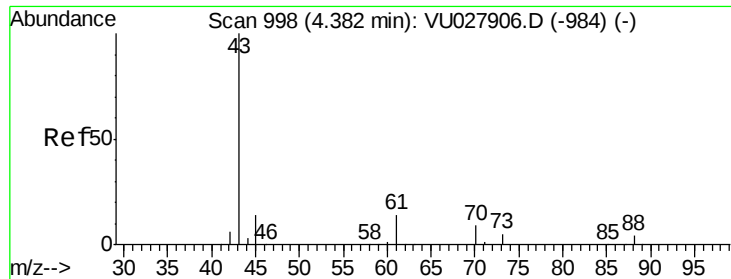
#36
 1,1-Dichloropropene
 Concen: 15.785 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 75 Resp: 37286
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.5 49.5
 77 29.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 15.720 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

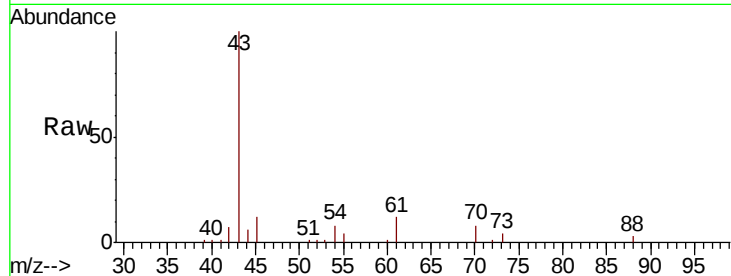
Tot Ion: 43 Resp: 54409

Ion Ratio Lower Upper

43 100

61 12.3 10.3 15.5

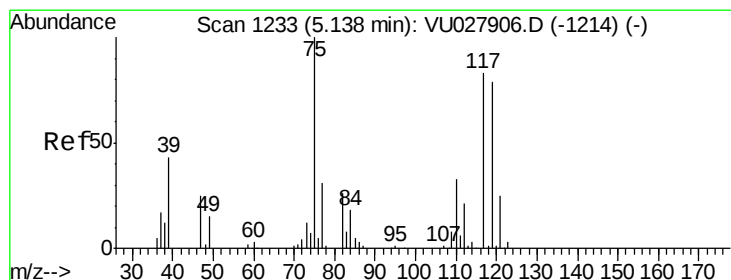
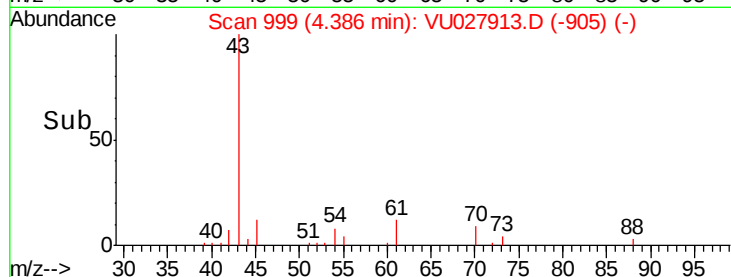
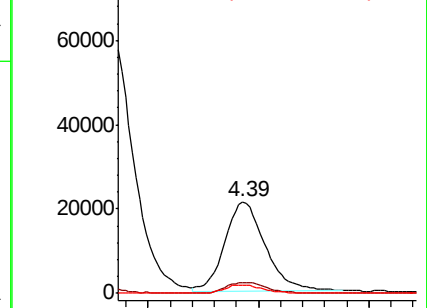
70 8.8 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU027906.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 16.011 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

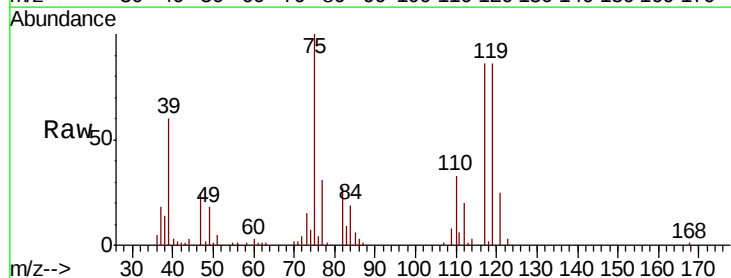
Tgt Ion: 117 Resp: 33517

Ion Ratio Lower Upper

117 100

119 100.2 76.0 114.0

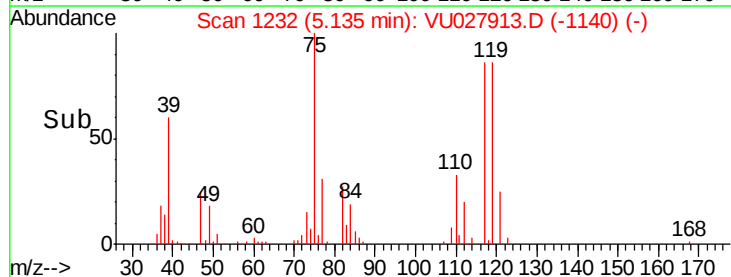
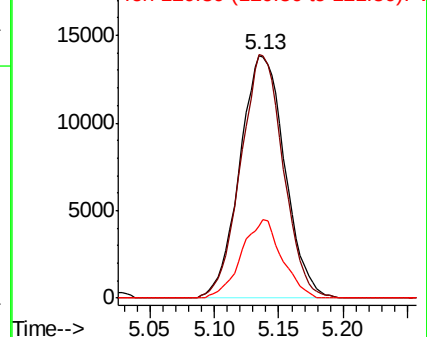
121 29.6 24.5 36.7

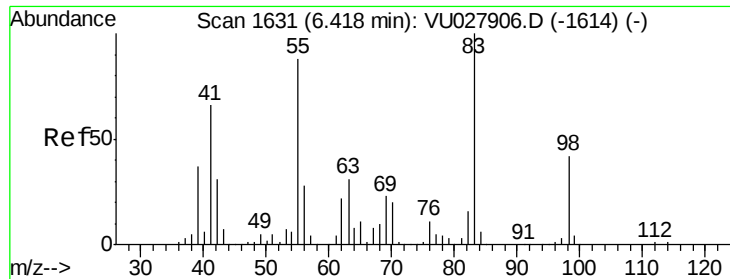


Abundance Ion 116.80 (116.50 to 117.50): VU027906.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU027906.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU027906.D (-1214) (-)

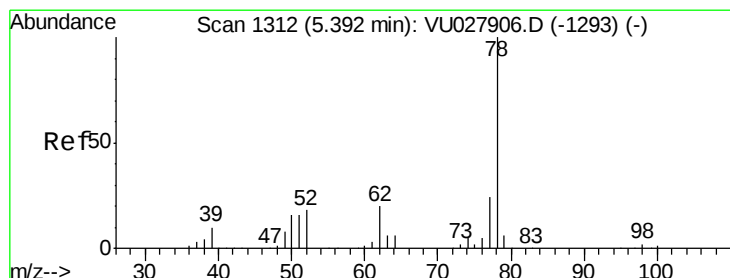
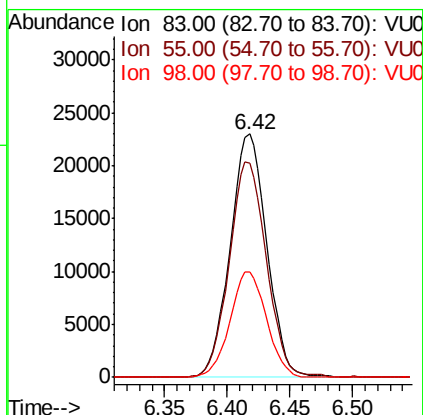
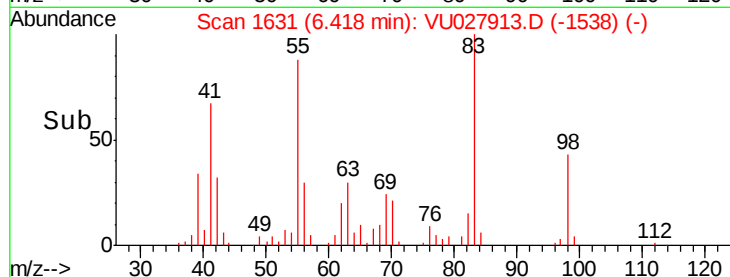
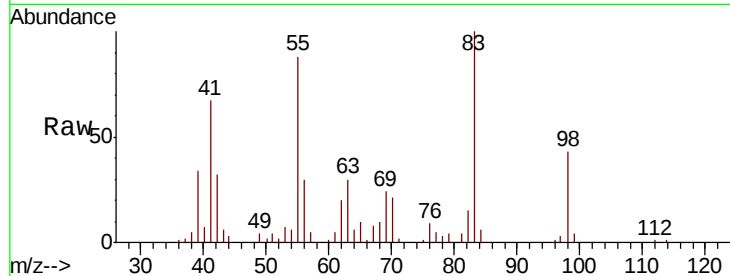




#39
Methvlcvclohexane
Concen: 16.353 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

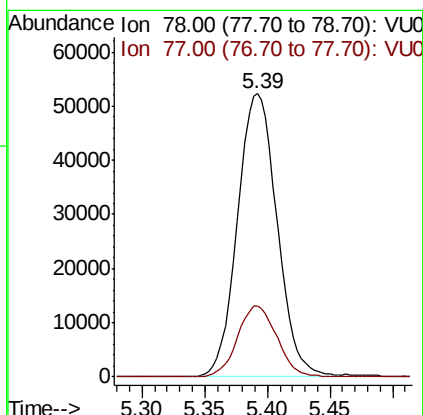
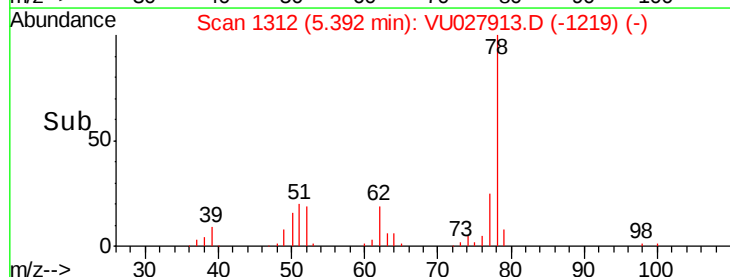
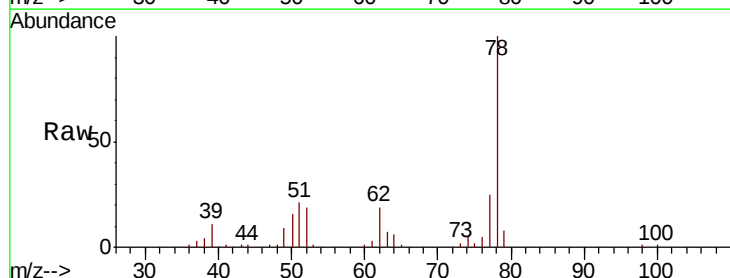
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

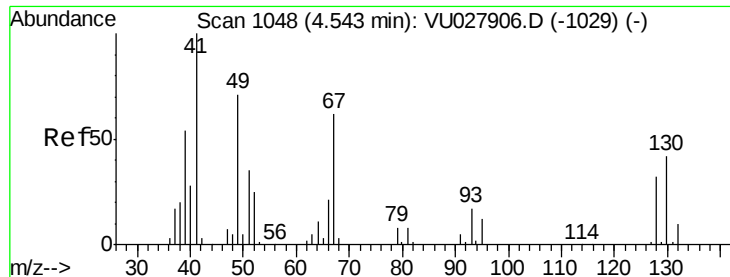
Tot Ion: 83 Resp: 46591
Ion Ratio Lower Upper
83 100
55 87.8 70.3 105.5
98 43.3 34.0 51.0



#40
Benzene
Concen: 15.923 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 78 Resp: 114993
Ion Ratio Lower Upper
78 100
77 25.3 19.3 28.9

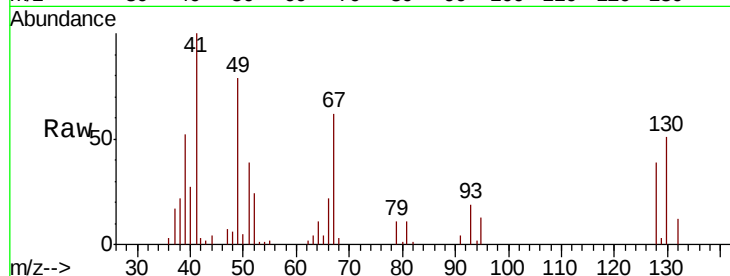




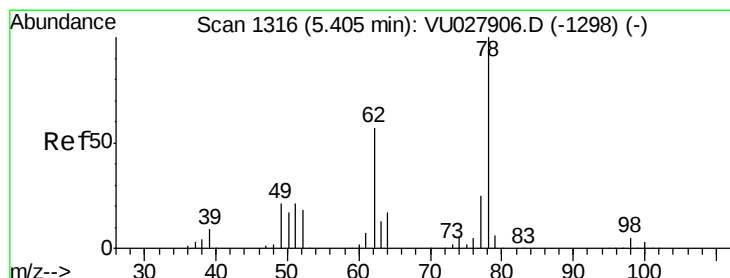
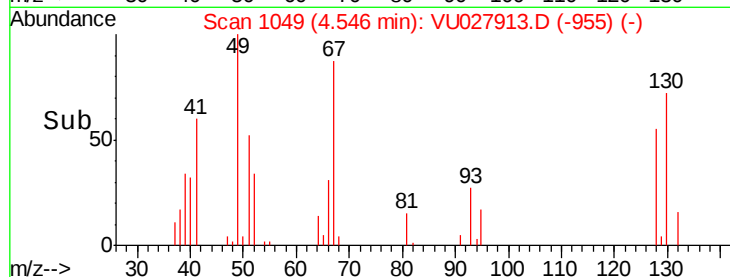
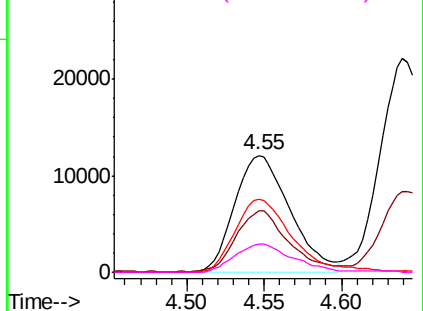
#41
Methacrylonitrile
Concen: 16.348 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:	41	Resp:	30196
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.2	63.4
67	64.3	49.5	74.3
52	25.2	20.5	30.7

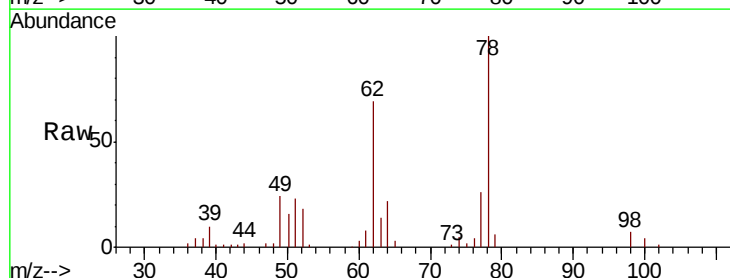


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

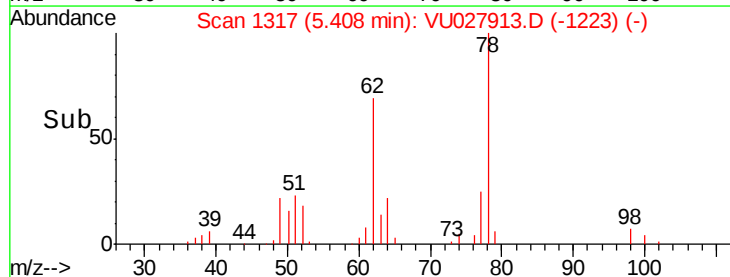
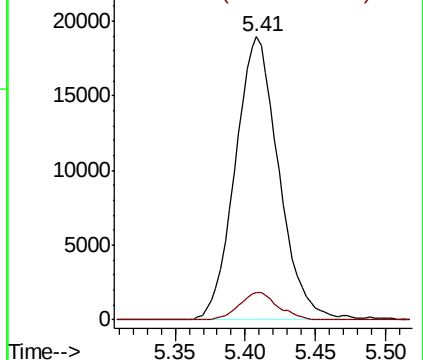


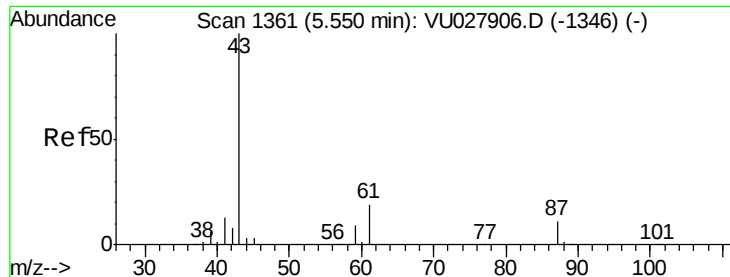
#42
1,2-Dichloroethane
Concen: 15.892 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:	62	Resp:	40796
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 15.876 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

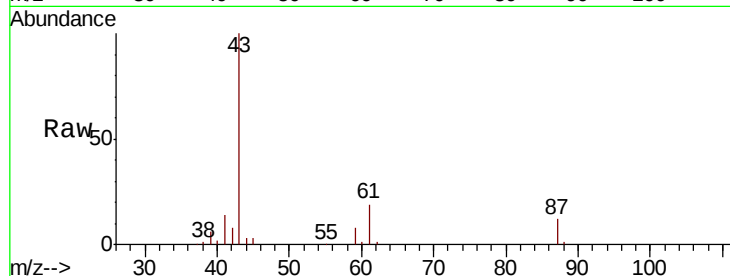
Tot Ion: 43 Resp: 86090

Ion Ratio Lower Upper

43 100

61 18.1 15.0 22.4

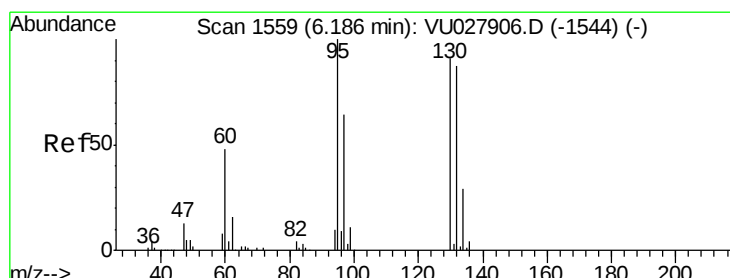
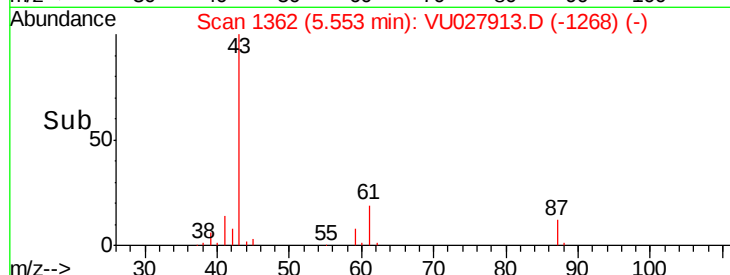
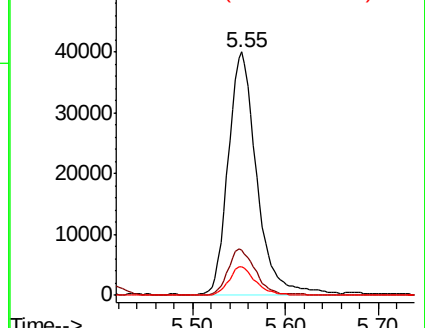
87 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1346) (-)

Ion 61.00 (60.70 to 61.70): VU027906.D (-1346) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-1346) (-)



#44

Trichloroethene

Concen: 16.178 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027913.D

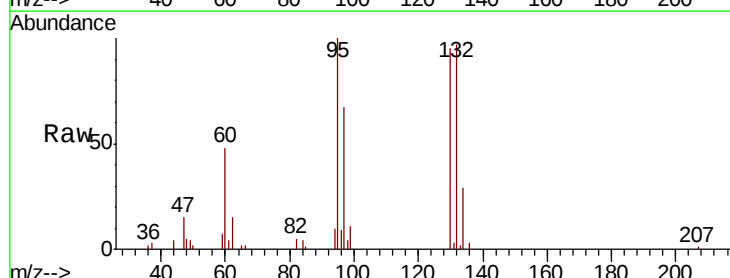
Acq: 02 Nov 2018 10:09

Tgt Ion:130 Resp: 25115

Ion Ratio Lower Upper

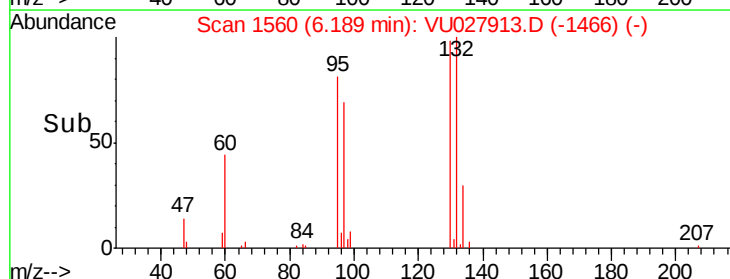
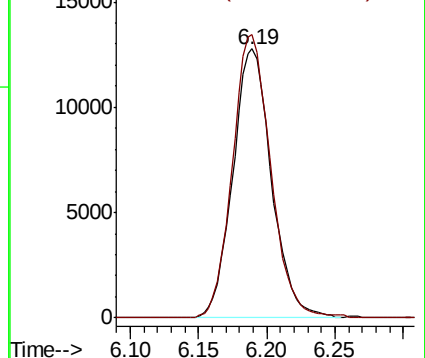
130 100

95 105.3 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)





#45

1,2-Dichloropropane

Concen: 16.153 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

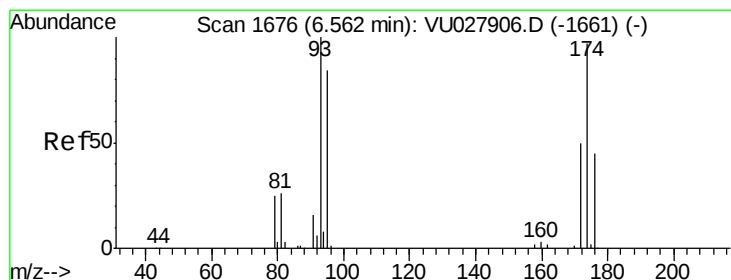
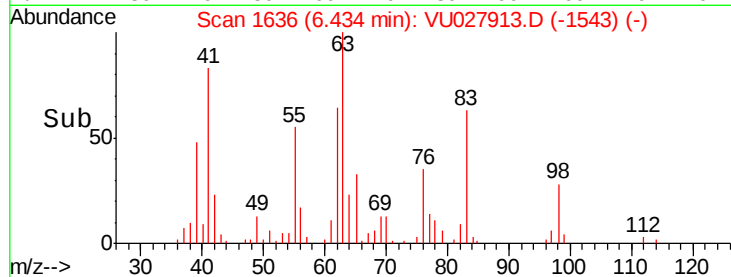
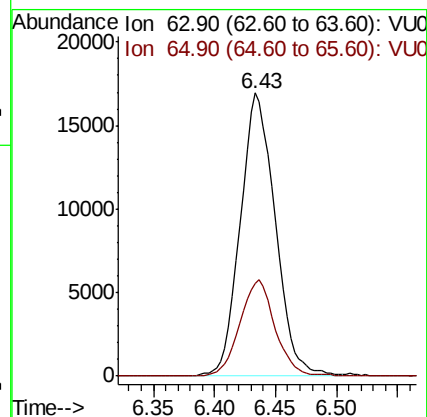
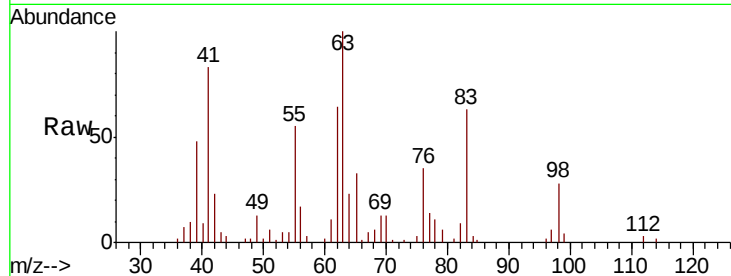
VU1102WBS01

Tot Ion: 63 Resp: 33644

Ion Ratio Lower Upper

63 100

65 33.0 24.4 36.6



#46

Dibromomethane

Concen: 16.105 ug/l

RT: 6.57 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

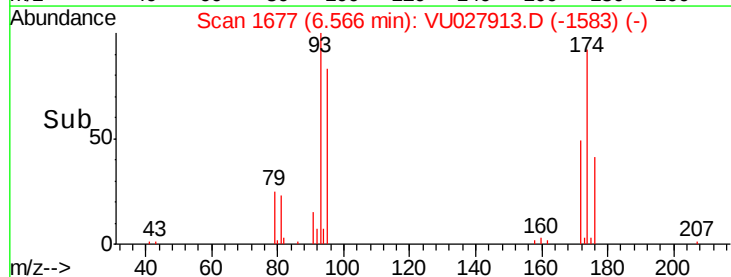
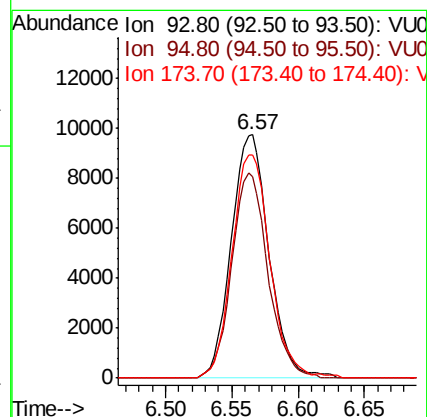
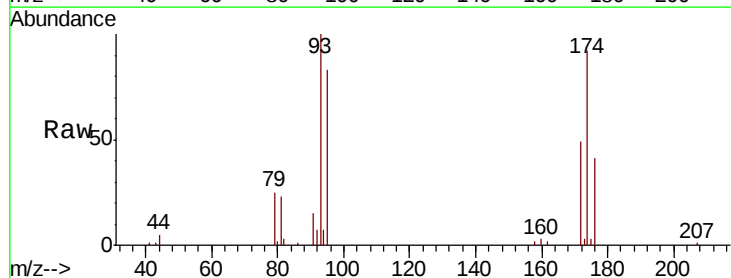
Tgt Ion: 93 Resp: 19281

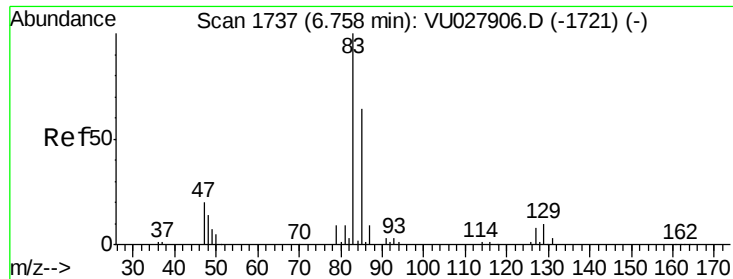
Ion Ratio Lower Upper

93 100

95 81.0 68.5 102.7

174 92.6 76.1 114.1

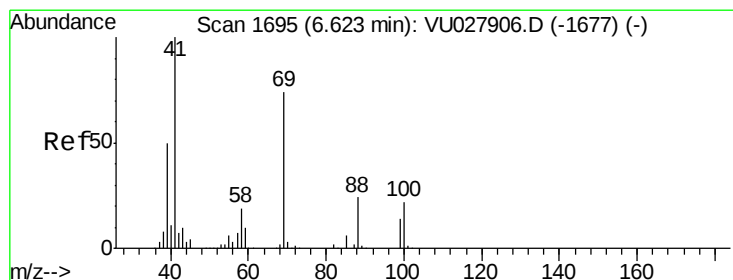
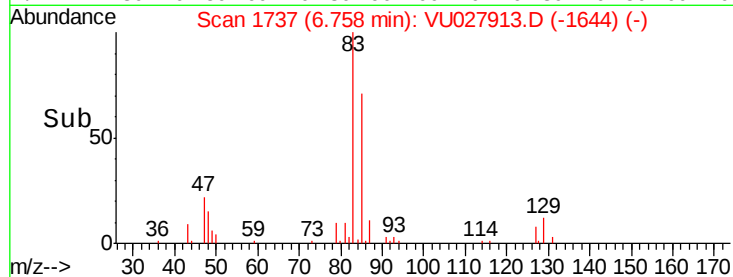
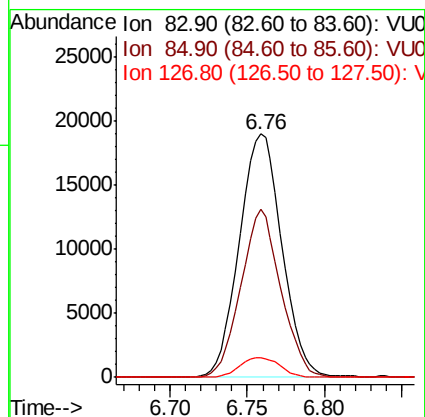
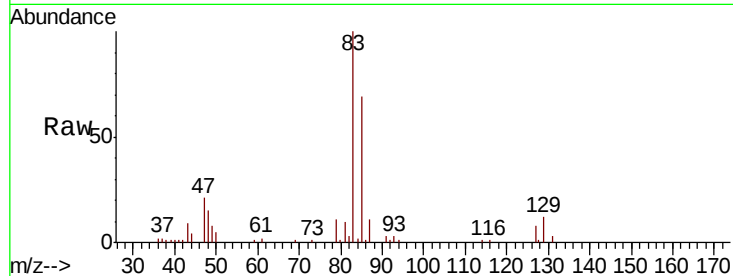




#47
 Bromodichloromethane
 Concen: 15.763 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

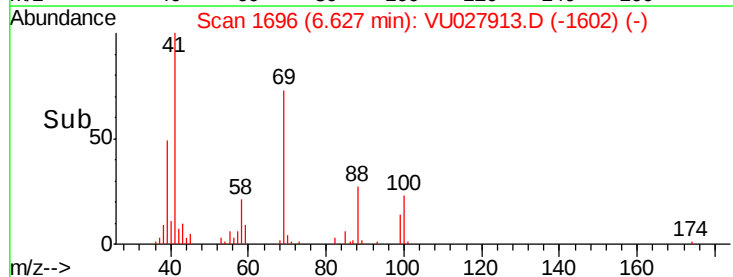
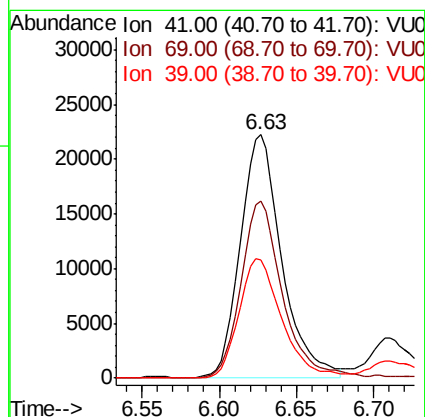
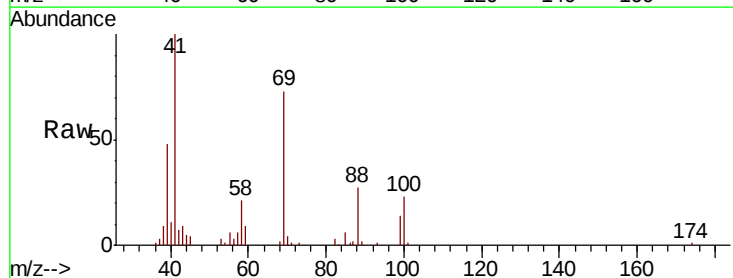
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 83 Resp: 36368
 Ion Ratio Lower Upper
 83 100
 85 69.1 51.0 76.6
 127 7.8 6.2 9.4



#48
 Methyl methacrylate
 Concen: 15.625 ug/l
 RT: 6.63 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 41 Resp: 41520
 Ion Ratio Lower Upper
 41 100
 69 72.4 59.8 89.8
 39 50.5 40.0 60.0

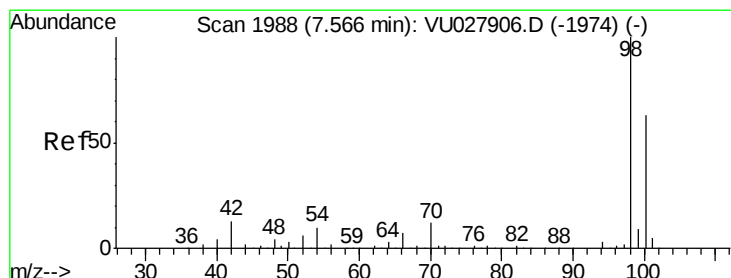
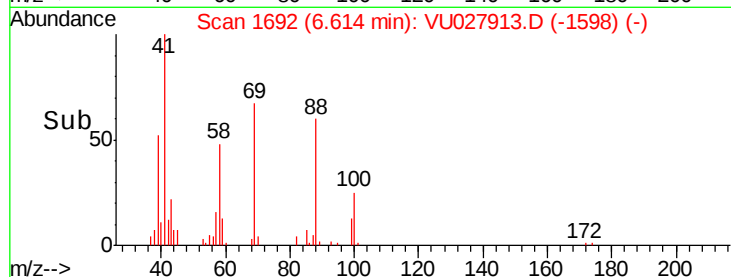
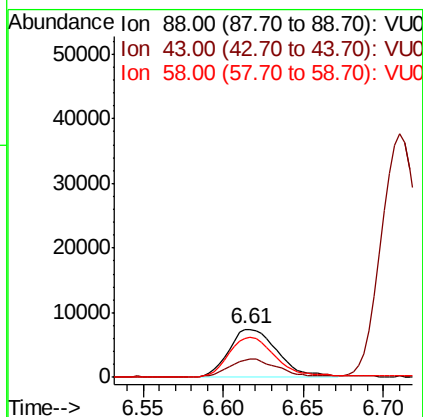
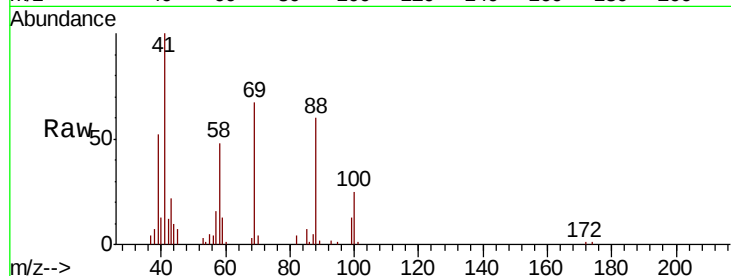




#49
1,4-Dioxane
Concen: 360.388 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

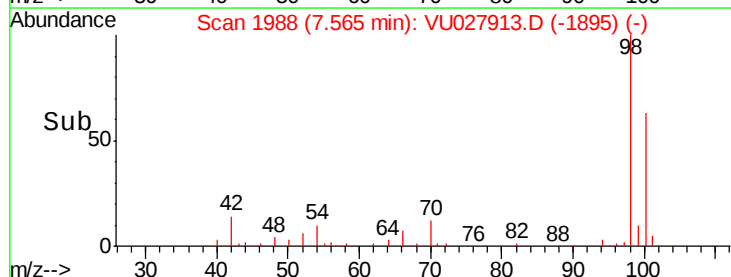
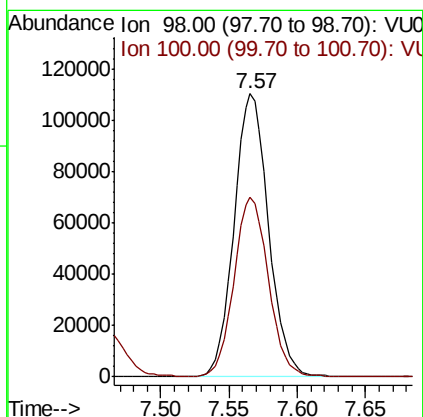
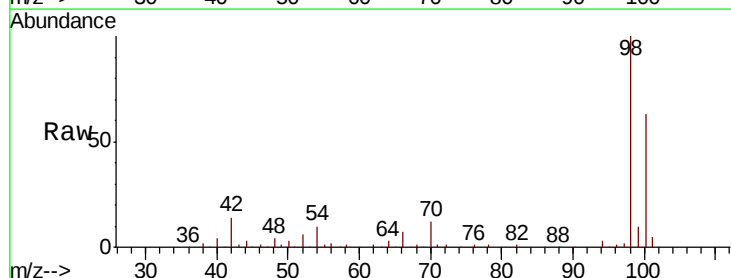
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

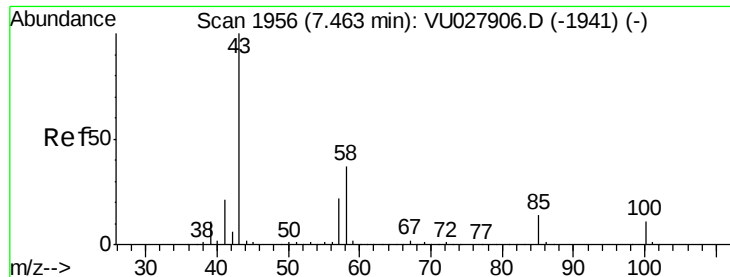
Tot Ion: 88 Resp: 15624
Ion Ratio Lower Upper
88 100
43 39.0 30.5 45.7
58 80.0 67.1 100.7



#50
Toluene-d8
Concen: 35.200 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 98 Resp: 193365
Ion Ratio Lower Upper
98 100
100 63.1 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 77.735 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

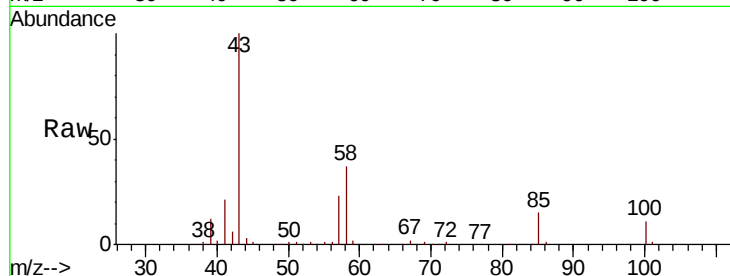
VU1102WBS01

Tot Ion: 43 Resp: 281502

Ion Ratio Lower Upper

43 100

58 36.5 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-1941) (-)

Ion 58.00 (57.70 to 58.70): VU027906.D (-1941) (-)

7.46

150000

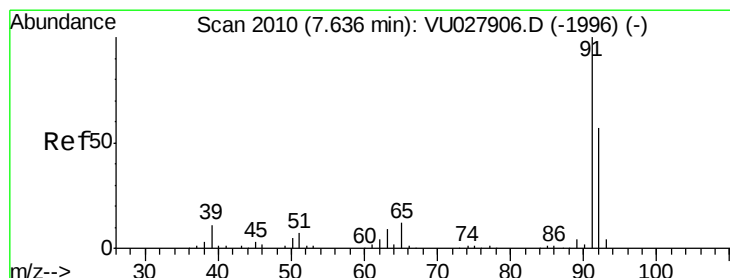
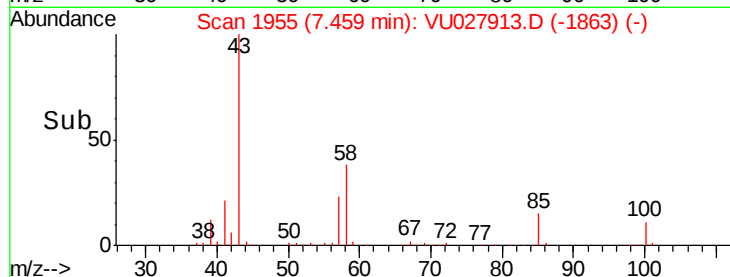
100000

50000

0

7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 15.713 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027913.D

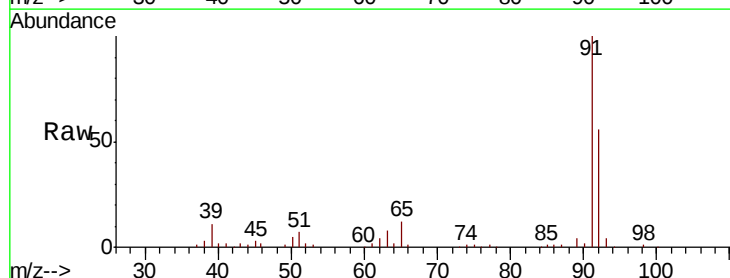
Acq: 02 Nov 2018 10:09

Tgt Ion: 92 Resp: 66714

Ion Ratio Lower Upper

92 100

91 179.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

80000

60000

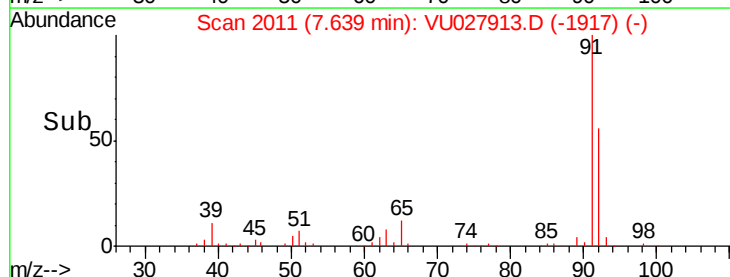
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->

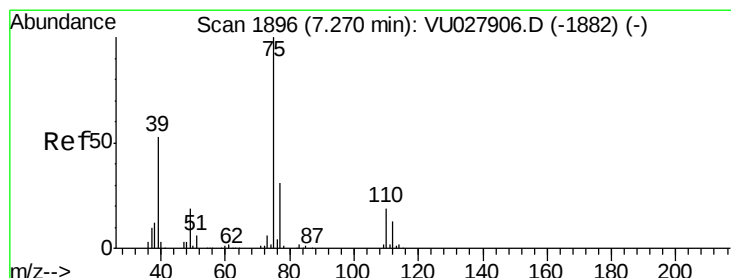
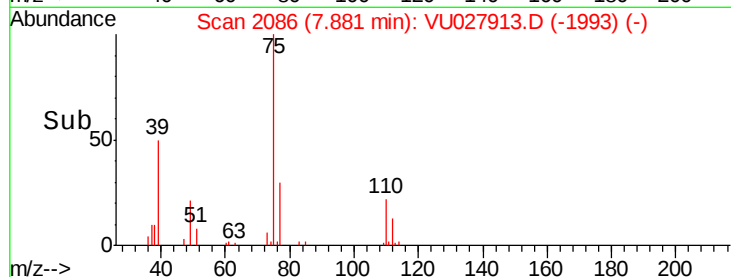
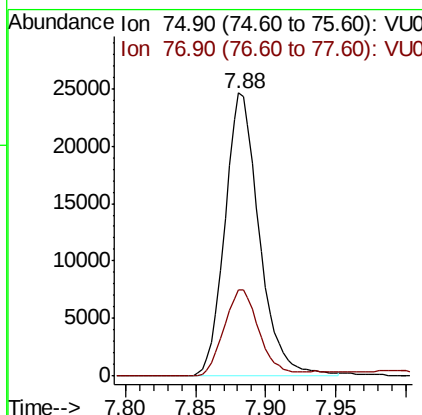
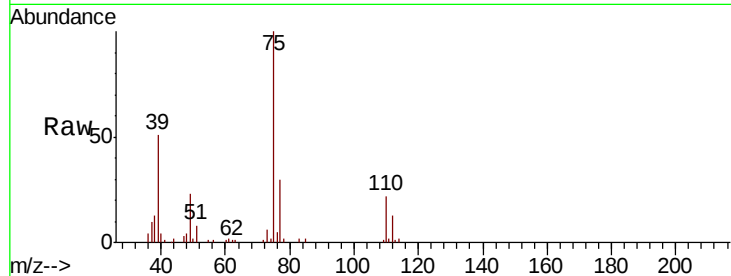




#53
t-1,3-Dichloropropene
Concen: 15.462 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

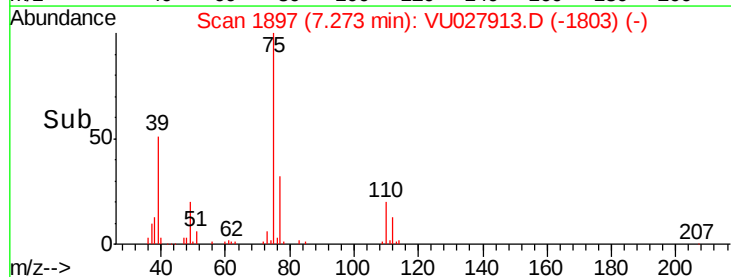
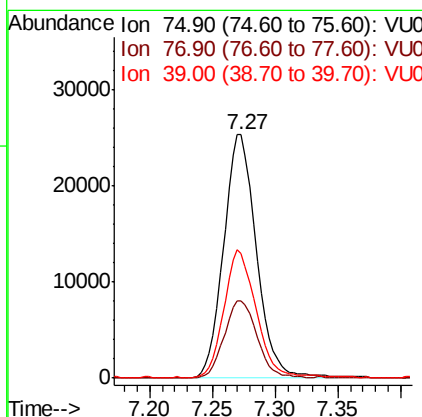
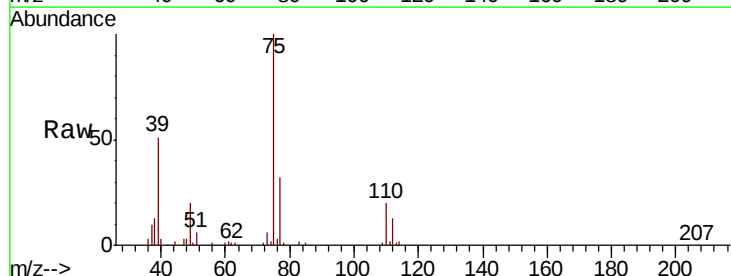
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

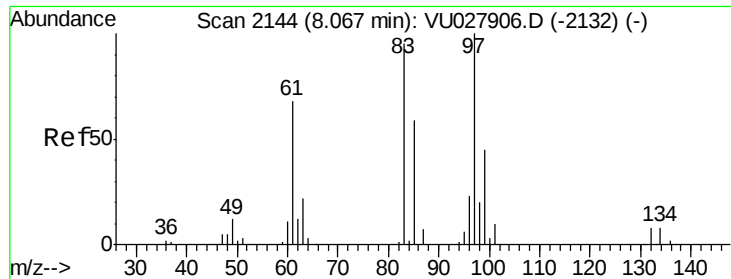
Tot Ion: 75 Resp: 41978
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 16.106 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 75 Resp: 45808
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0
39 51.4 42.6 64.0

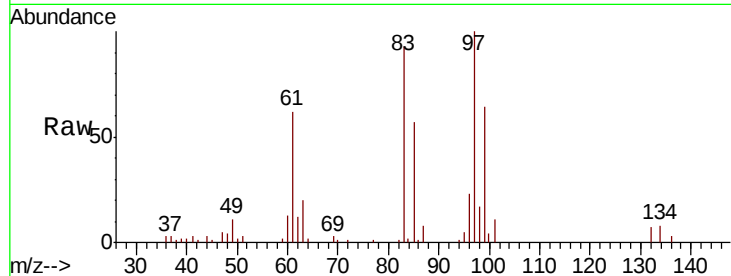




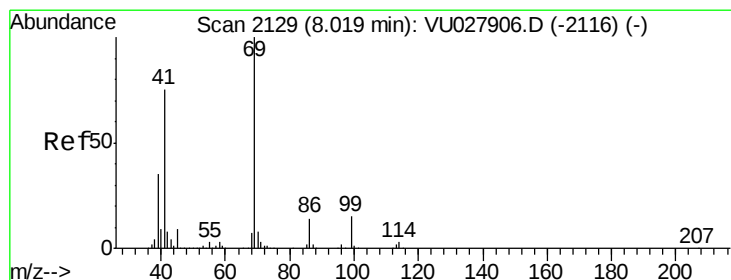
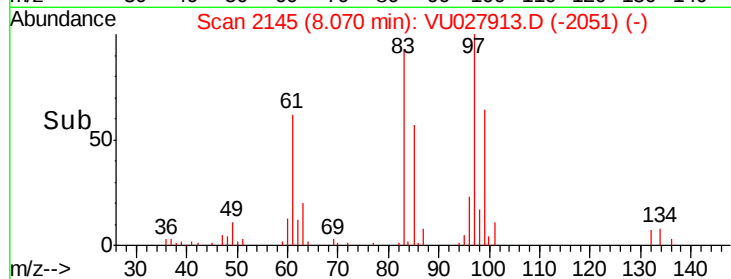
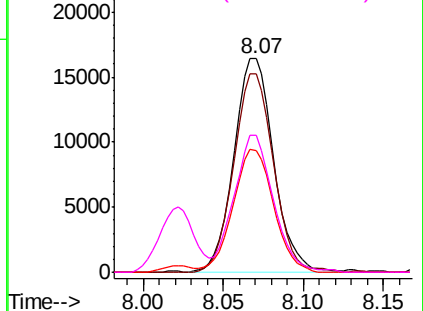
#55
 1,1,2-Trichloroethane
 Concen: 16.093 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 97 Resp: 27799
 Ion Ratio Lower Upper
 97 100
 83 93.0 76.1 114.1
 85 57.1 48.9 73.3
 99 63.5 52.0 78.0

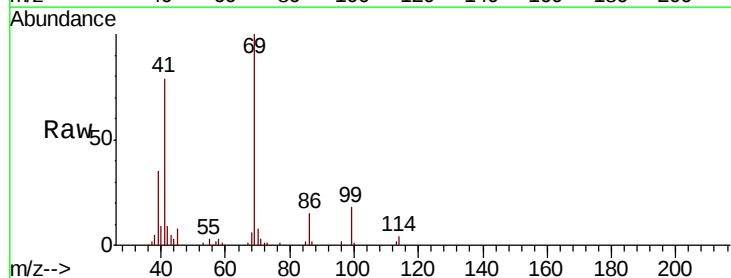


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

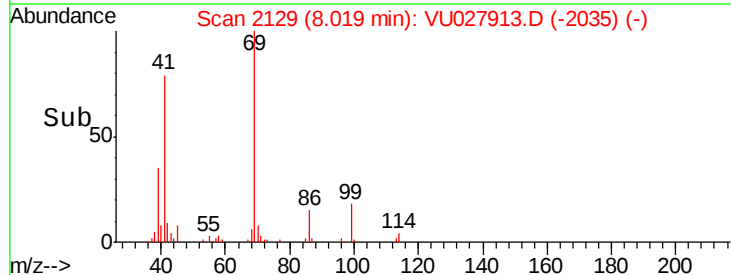
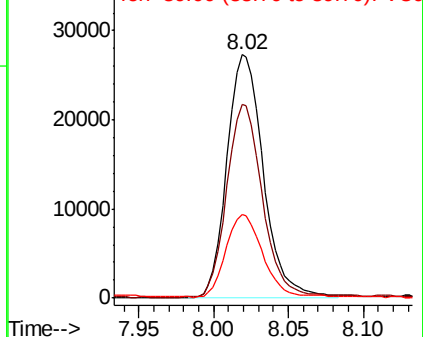


#56
 Ethyl methacrylate
 Concen: 15.301 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 69 Resp: 46609
 Ion Ratio Lower Upper
 69 100
 41 78.9 59.8 89.6
 39 33.7 28.6 42.8



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

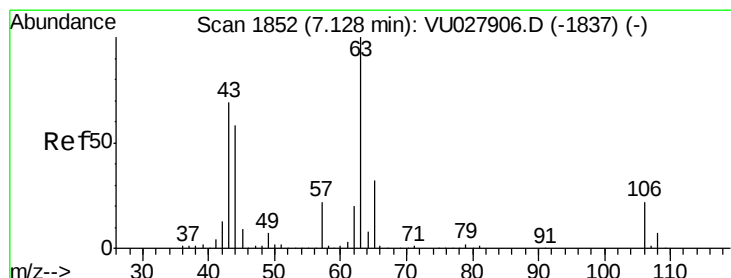
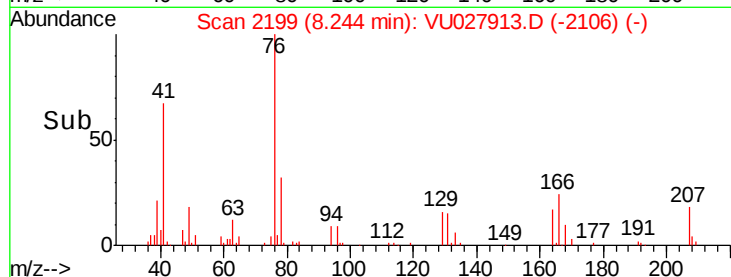
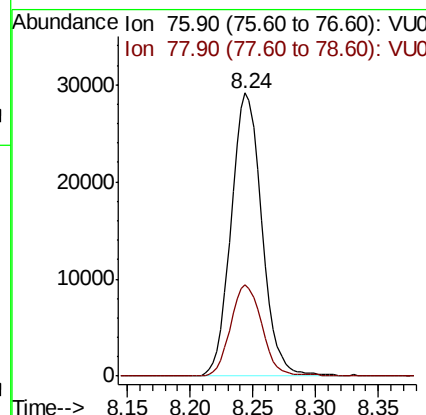
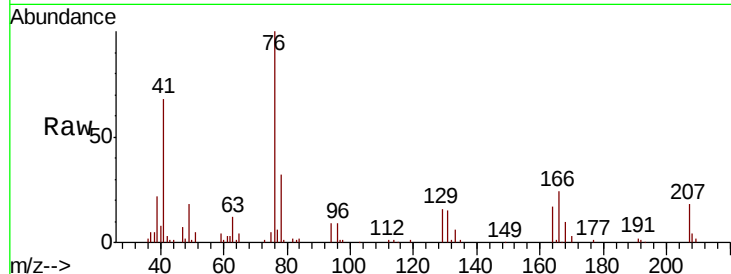




#57
 1,3-Dichloropropane
 Concen: 15.771 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

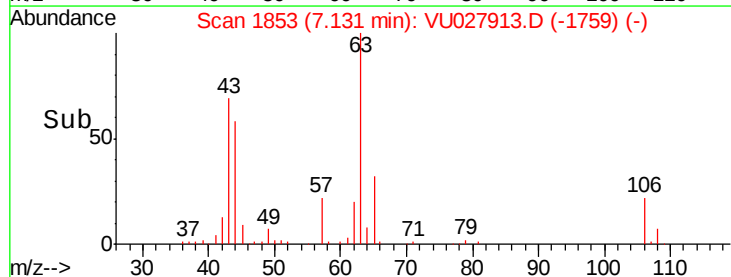
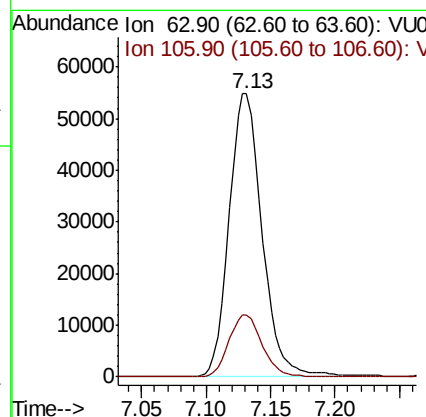
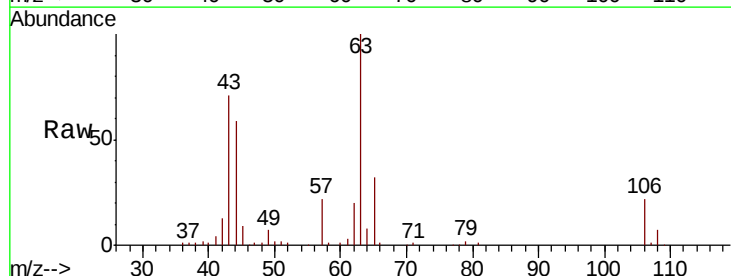
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion: 76 Resp: 49626
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 59.581 ug/l
 RT: 7.13 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 63 Resp: 97205
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.6

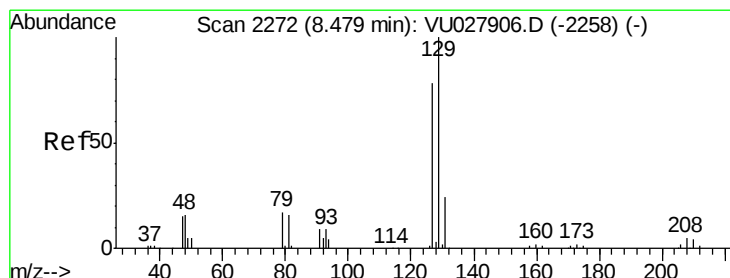
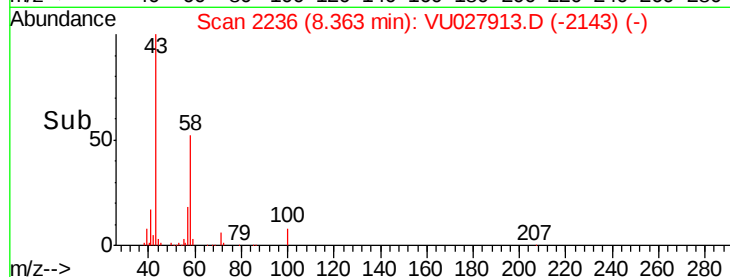
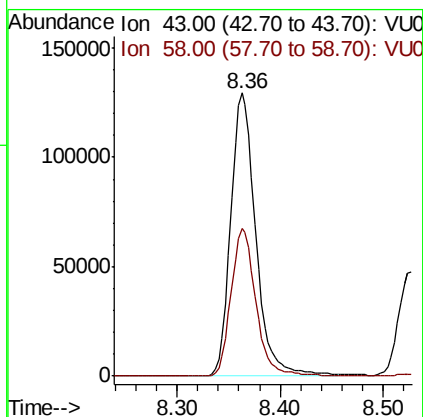
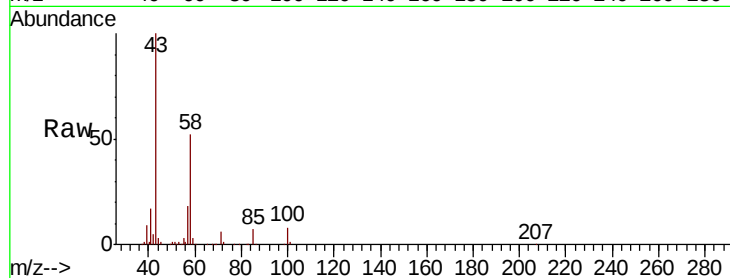




#59
2-Hexanone
Concen: 78.075 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

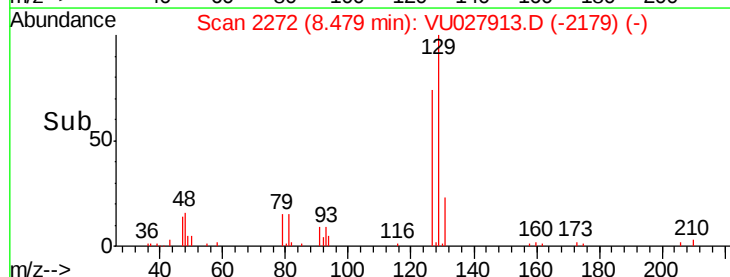
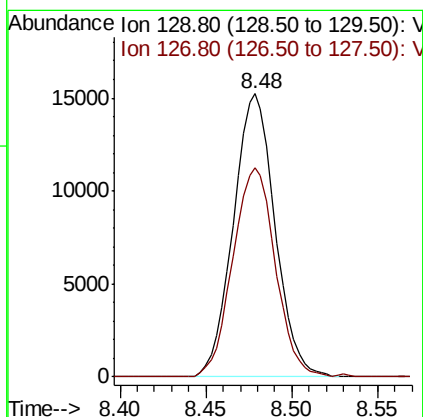
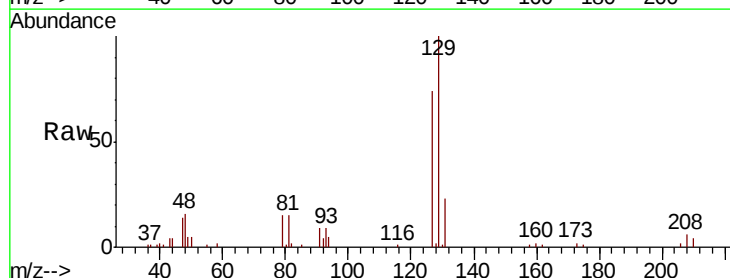
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

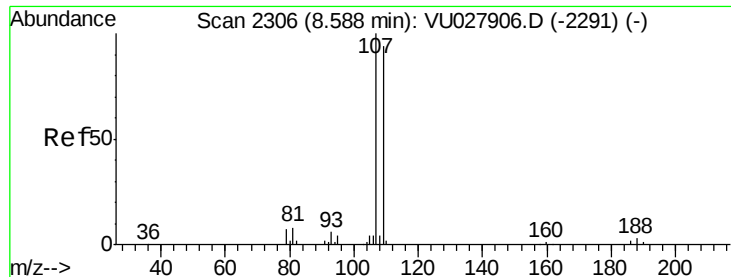
Tot Ion: 43 Resp: 218677
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3



#60
Dibromochloromethane
Concen: 15.664 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 129 Resp: 25604
Ion Ratio Lower Upper
129 100
127 75.3 39.2 117.6





#61

1,2-Dibromoethane

Concen: 16.039 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

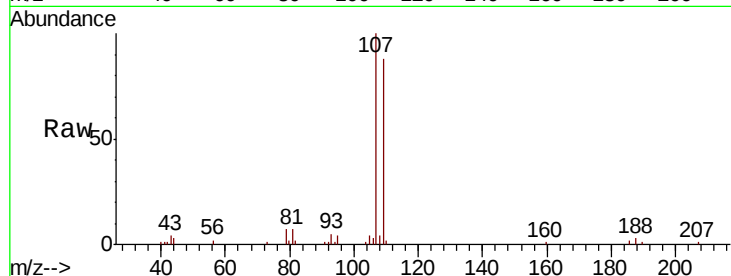
VU1102WBS01

Tot Ion:107 Resp: 29439

Ion Ratio Lower Upper

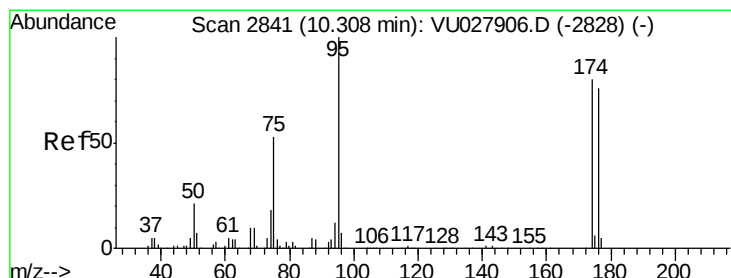
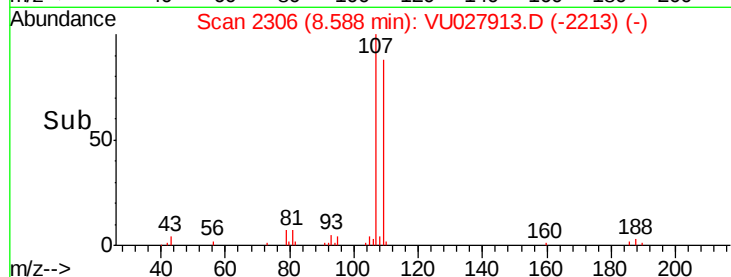
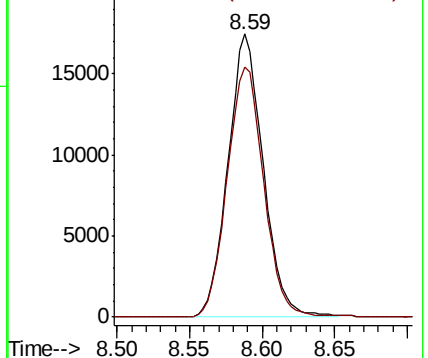
107 100

109 91.6 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 33.988 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

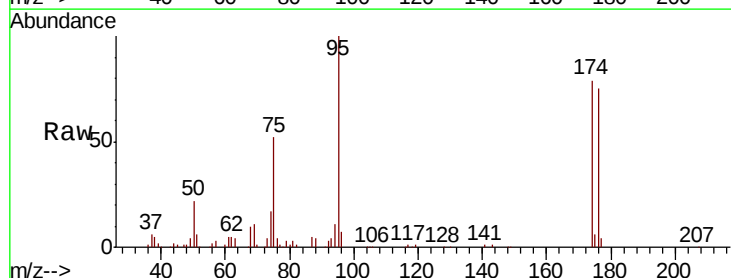
Tgt Ion: 95 Resp: 68865

Ion Ratio Lower Upper

95 100

174 78.6 0.0 156.4

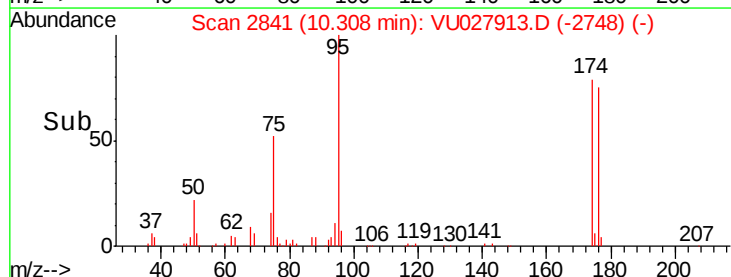
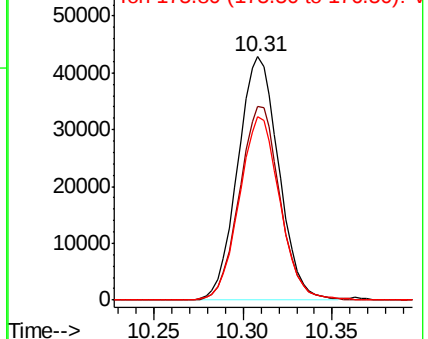
176 74.8 0.0 150.8

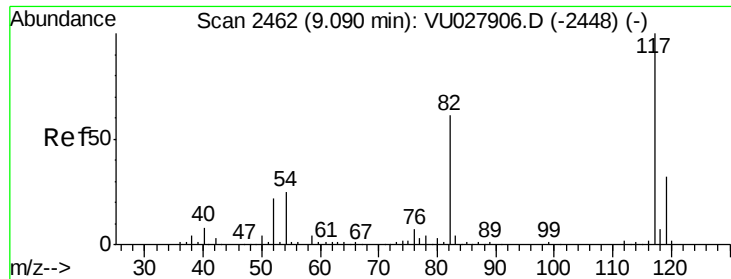


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

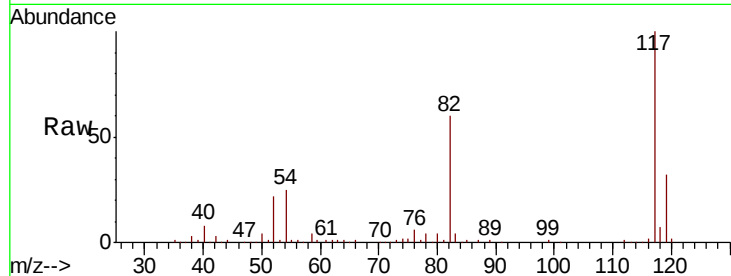




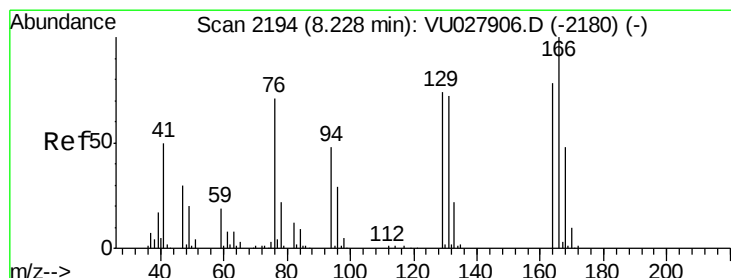
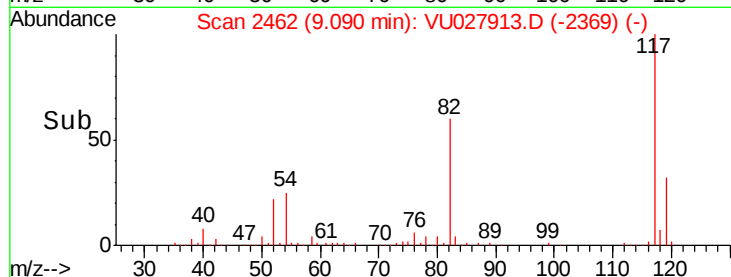
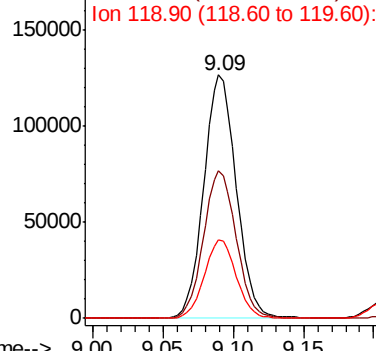
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:117 Resp: 204305
Ion Ratio Lower Upper
117 100
82 60.4 48.6 73.0
119 32.3 25.8 38.8

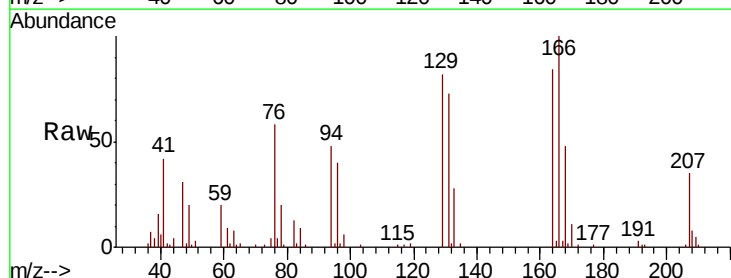


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

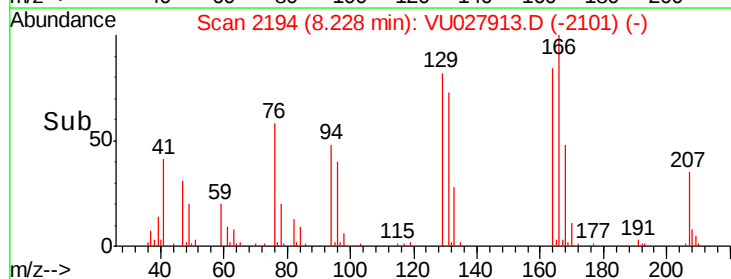
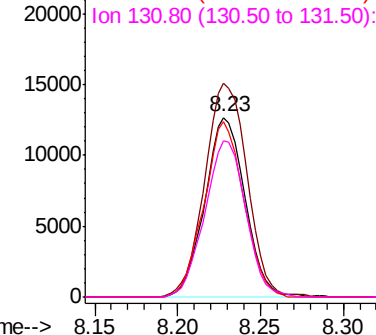


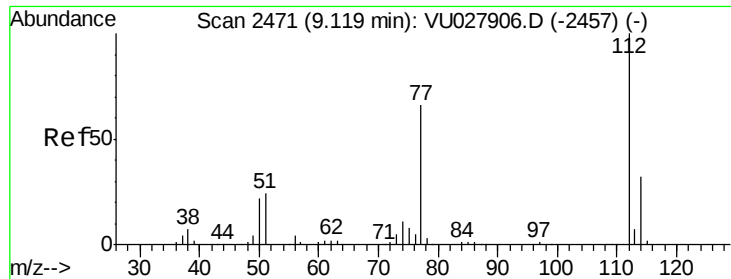
#64
Tetrachloroethene
Concen: 16.129 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:164 Resp: 21367
Ion Ratio Lower Upper
164 100
166 118.8 102.1 153.1
129 97.4 75.9 113.9
131 87.0 73.0 109.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 15.970 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

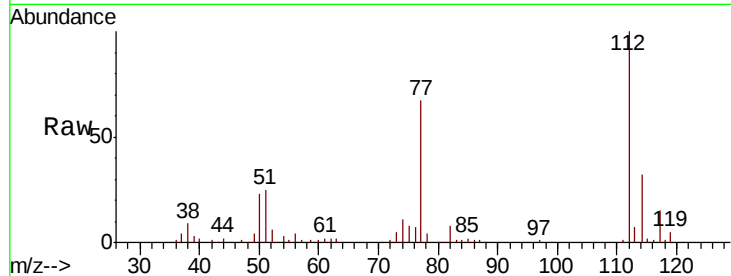
VU1102WBS01

Tot Ion:112 Resp: 68935

Ion Ratio Lower Upper

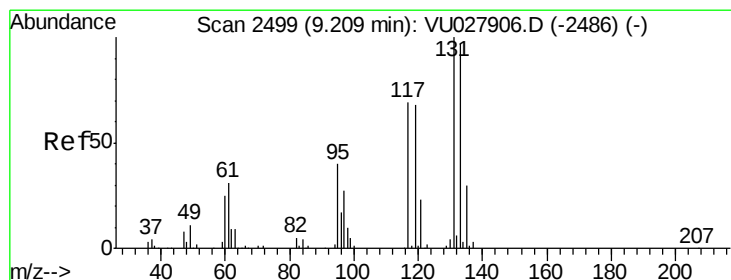
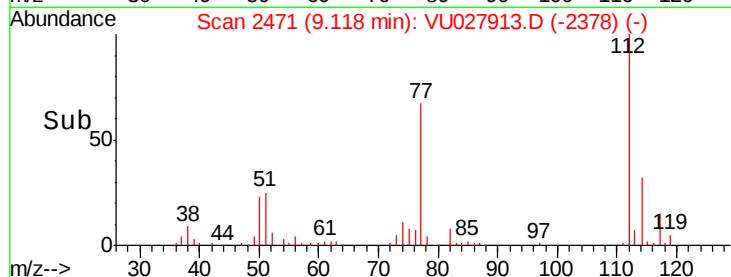
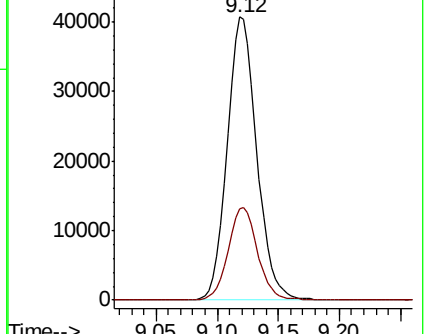
112 100

114 32.1 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 16.458 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

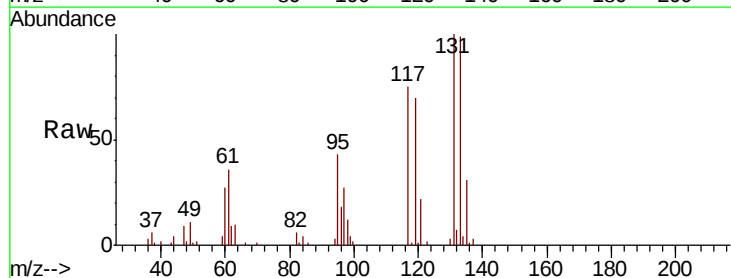
Tgt Ion:131 Resp: 24264

Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

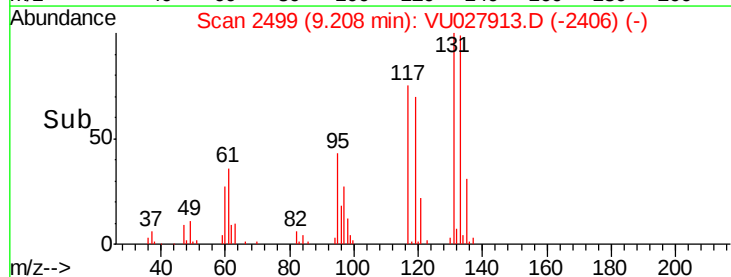
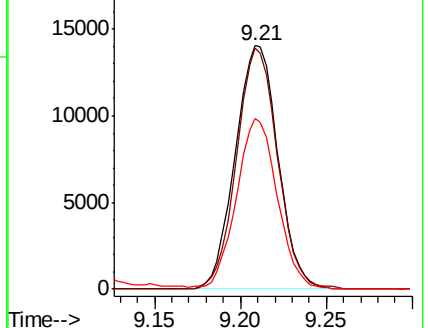
119 67.3 34.0 101.8

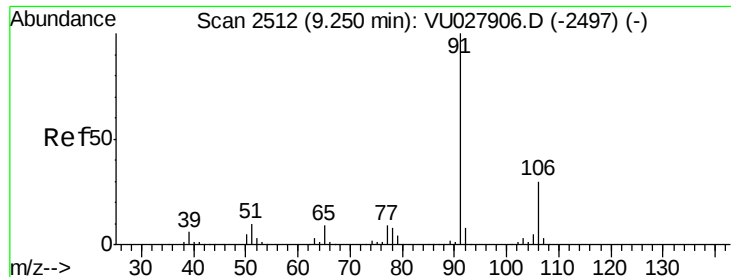


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

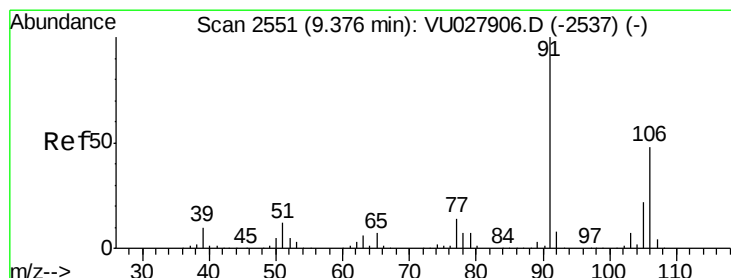
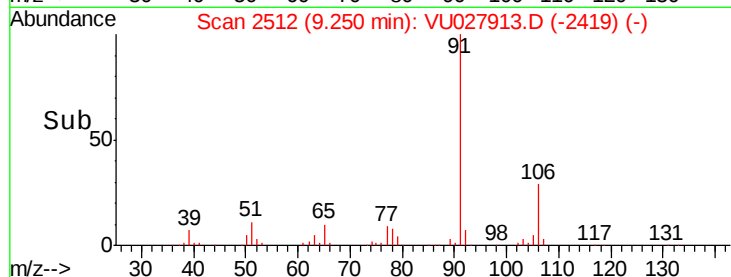
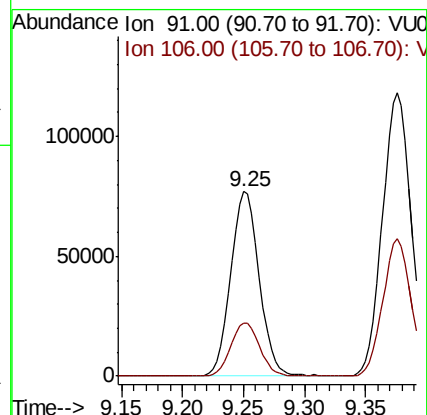
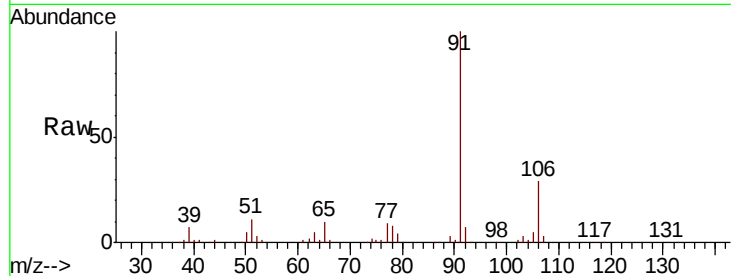




#67
Ethyl Benzene
Concen: 15.921 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

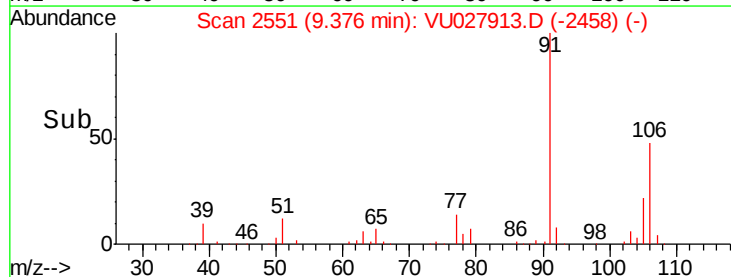
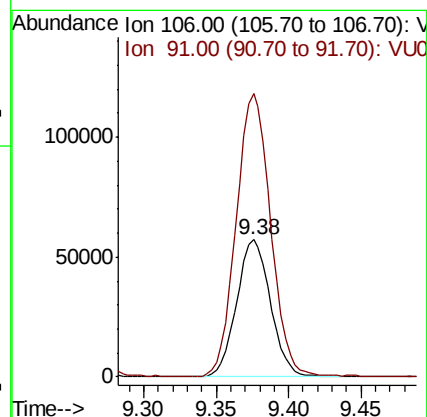
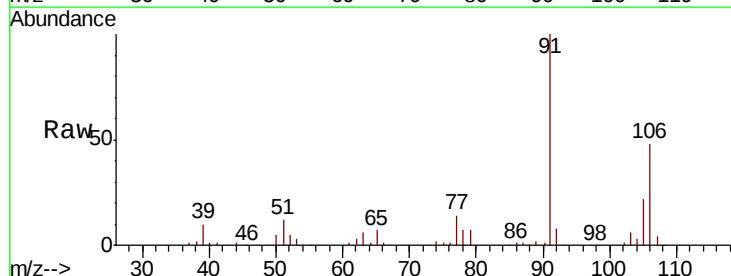
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion: 91 Resp: 126496
Ion Ratio Lower Upper
91 100
106 28.9 23.6 35.4



#68
m/p-Xylenes
Concen: 32.191 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 106 Resp: 92801
Ion Ratio Lower Upper
106 100
91 209.0 168.2 252.4

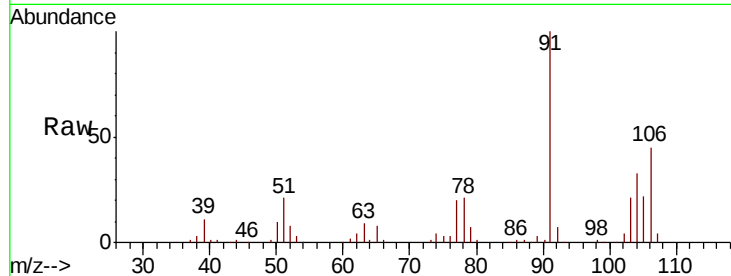




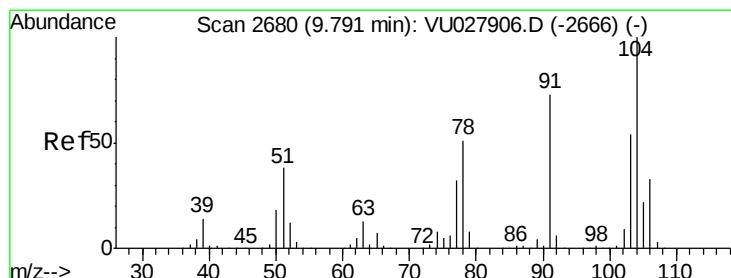
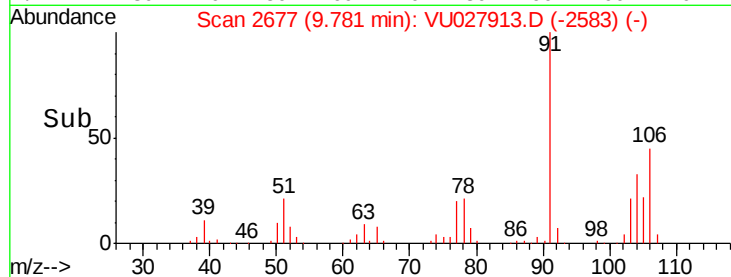
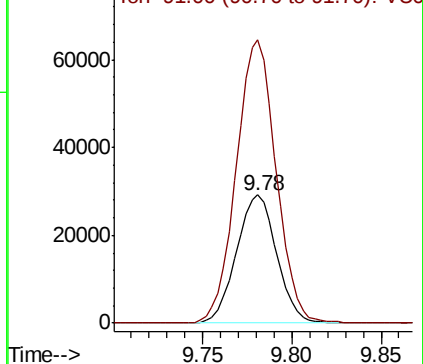
#69
o-Xylene
Concen: 15.776 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:106 Resp: 45924
Ion Ratio Lower Upper
106 100
91 219.2 111.1 333.4

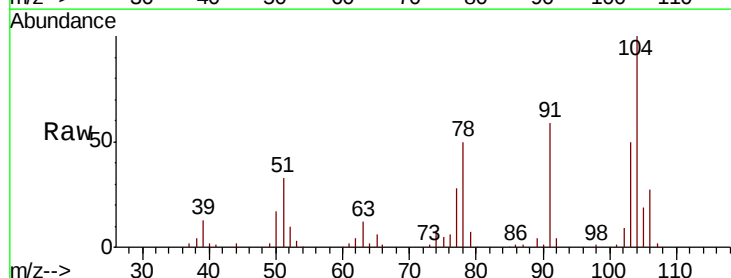


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

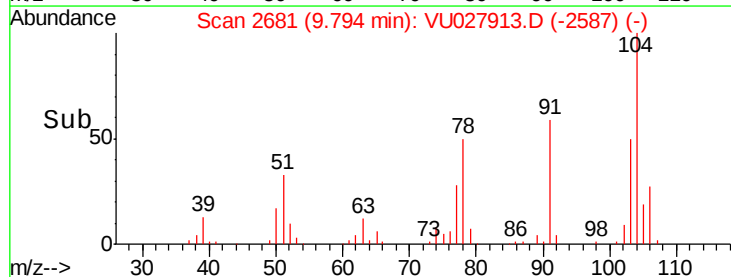
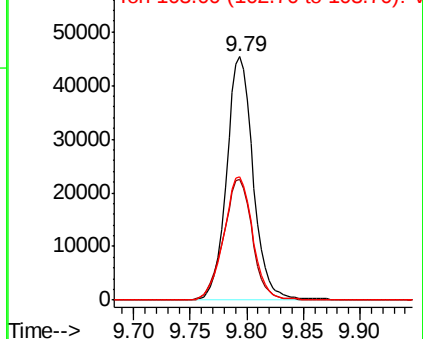


#70
Styrene
Concen: 15.976 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:104 Resp: 74310
Ion Ratio Lower Upper
104 100
78 53.8 43.0 64.4
103 54.9 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 14.680 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

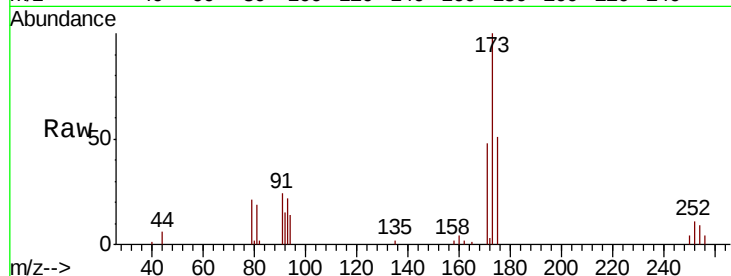
Tot Ion:173 Resp: 18139

Ion Ratio Lower Upper

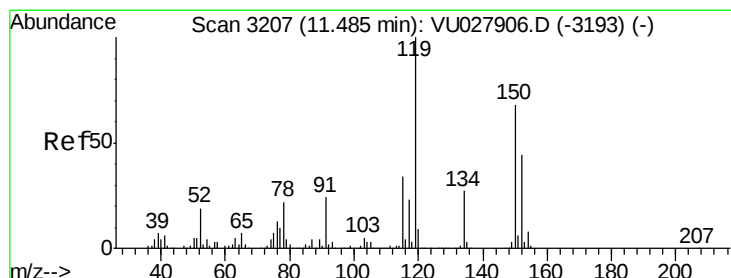
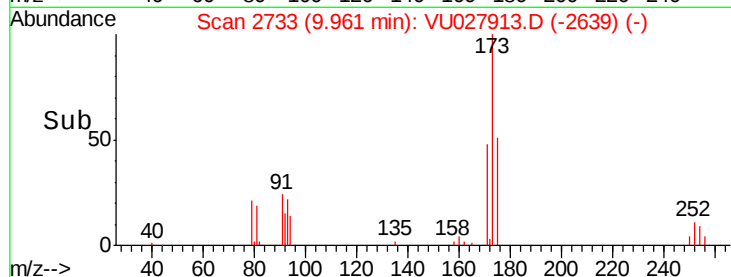
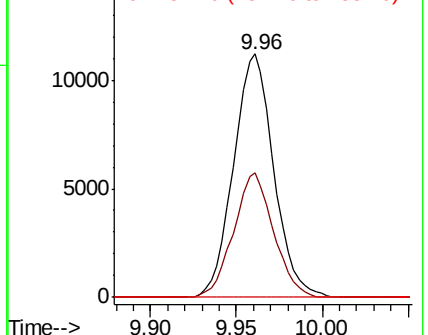
173 100

175 50.8 24.3 72.8

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

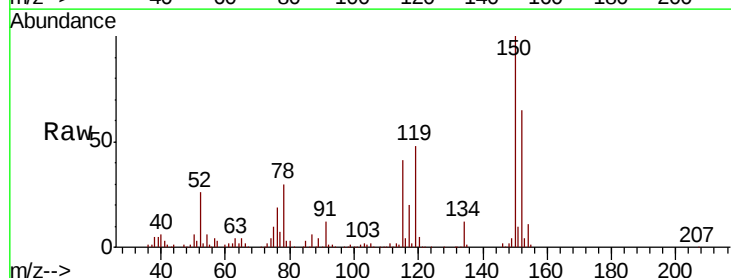
Tgt Ion:152 Resp: 94854

Ion Ratio Lower Upper

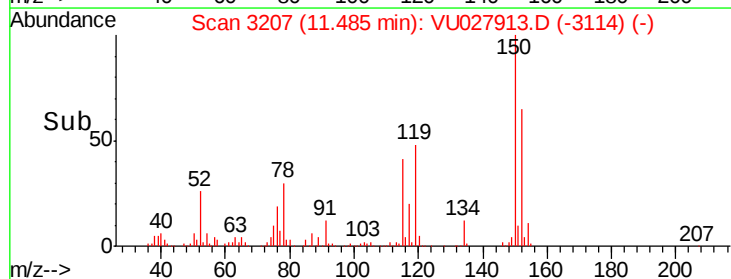
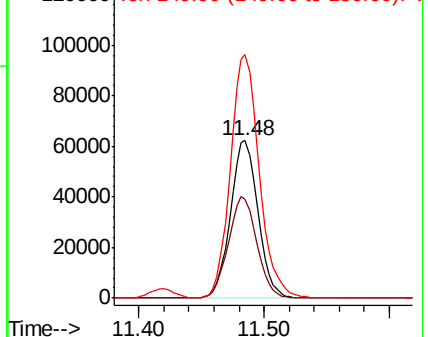
152 100

115 66.5 43.0 129.0

150 160.8 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.694 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

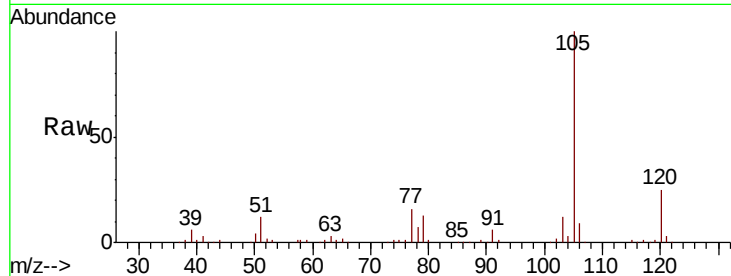
VU1102WBS01

Tot Ion:105 Resp: 122669

Ion Ratio Lower Upper

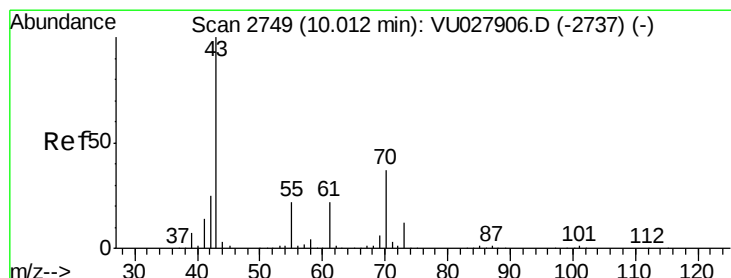
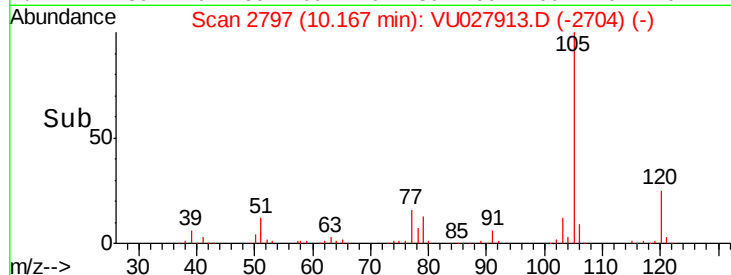
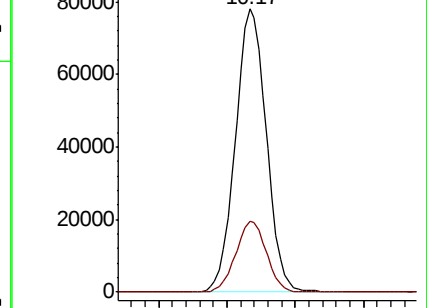
105 100

120 24.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.395 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Tgt Ion: 43 Resp: 72851

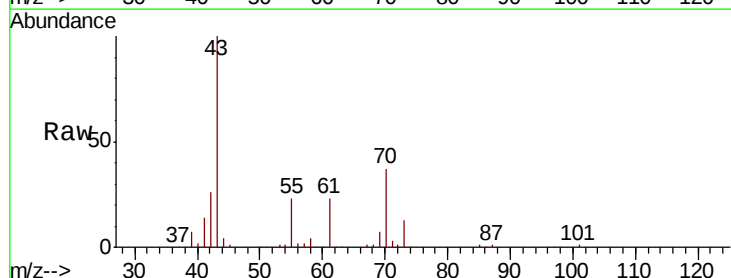
Ion Ratio Lower Upper

43 100

70 36.1 29.2 43.8

55 23.5 17.8 26.6

61 22.0 17.8 26.8

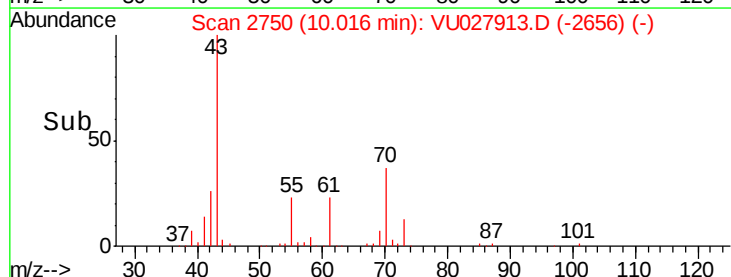
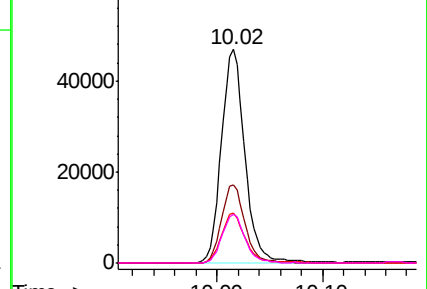


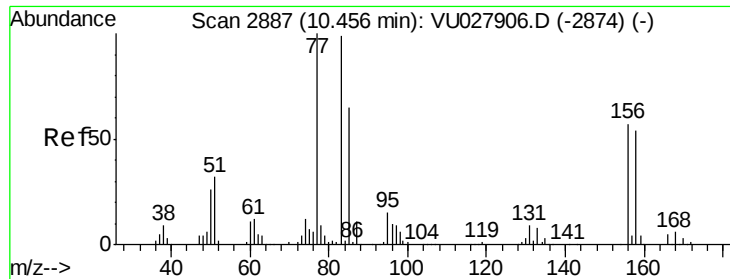
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.379 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

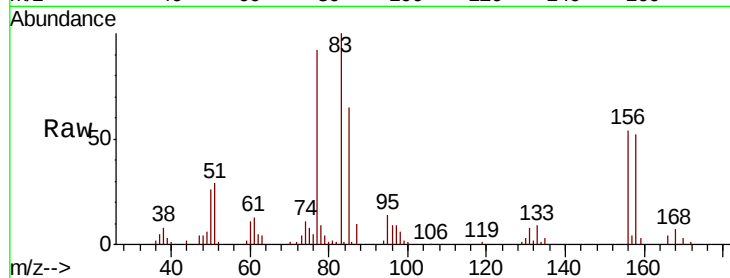
Tot Ion: 83 Resp: 48547

Ion Ratio Lower Upper

83 100

131 8.1 4.3 13.1

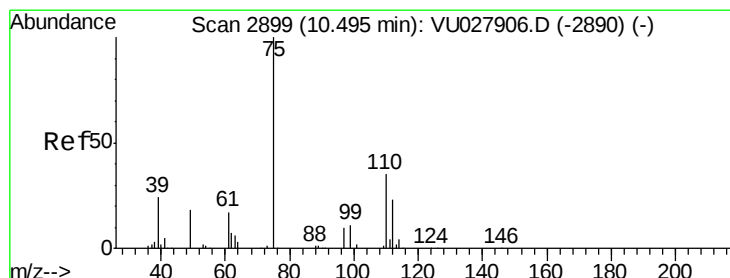
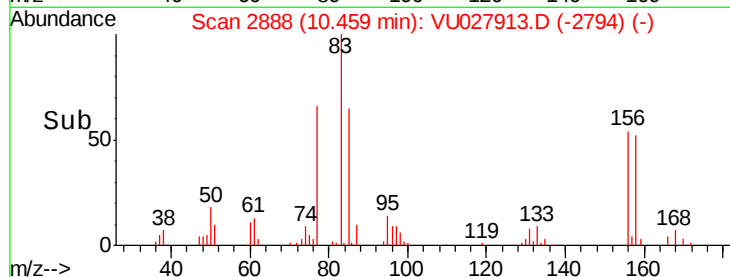
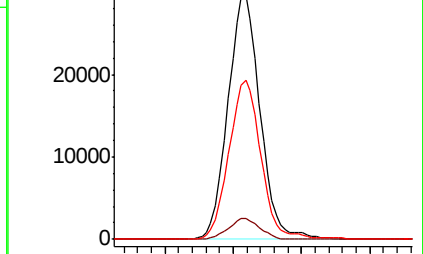
85 64.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VU027913.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027913.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027913.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 21.311 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027913.D

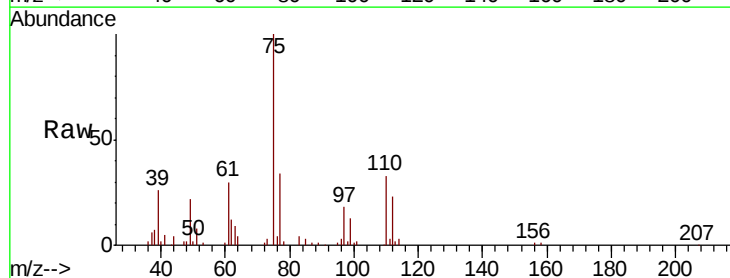
Acq: 02 Nov 2018 10:09

Tgt Ion: 75 Resp: 55291

Ion Ratio Lower Upper

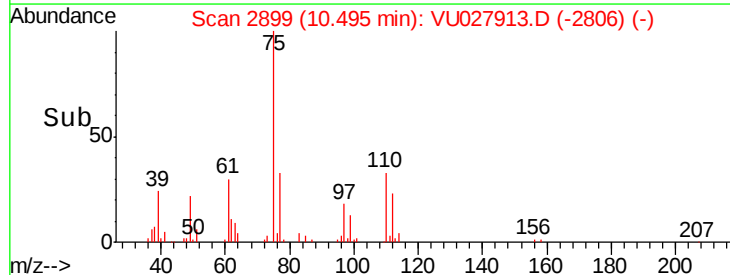
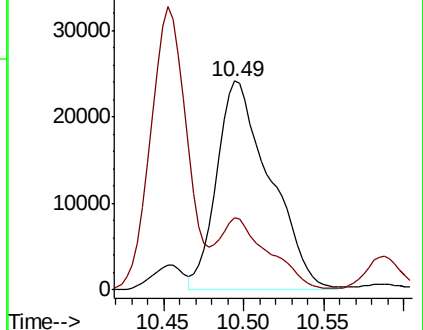
75 100

77 30.7 21.6 64.6



Abundance Ion 74.90 (74.60 to 75.60): VU027913.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027913.D (-2890) (-)





#77

Bromobenzene

Concen: 17.285 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

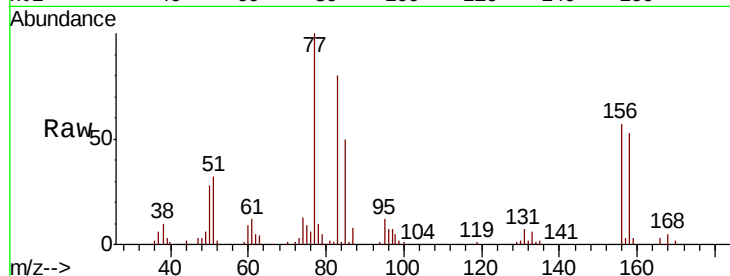
Tot Ion:156 Resp: 29125

Ion Ratio Lower Upper

156 100

77 178.8 91.8 275.6

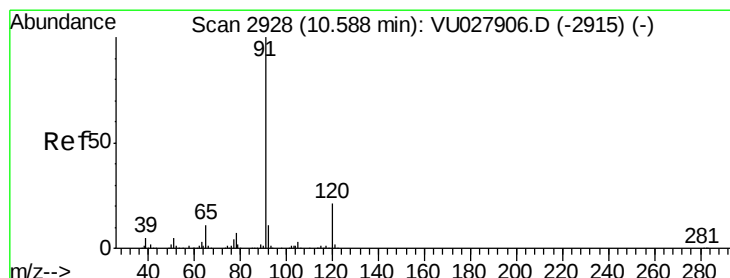
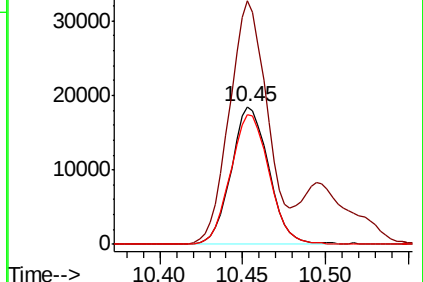
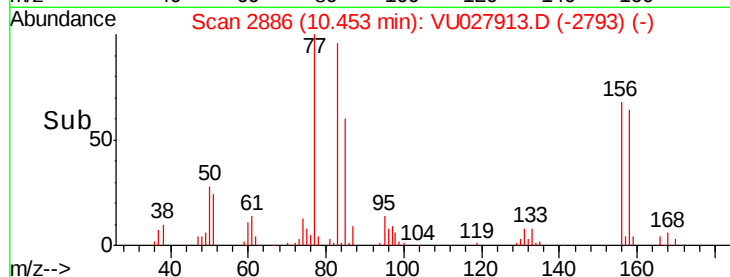
158 96.7 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.190 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027913.D

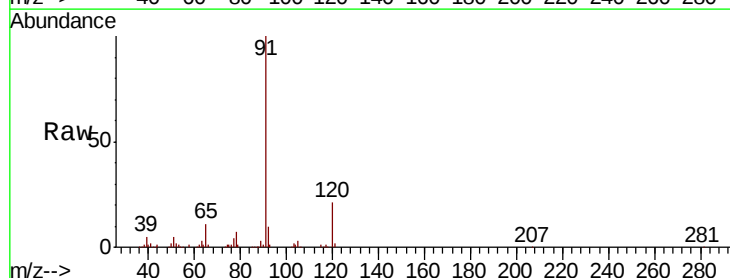
Acq: 02 Nov 2018 10:09

Tgt Ion: 91 Resp: 142401

Ion Ratio Lower Upper

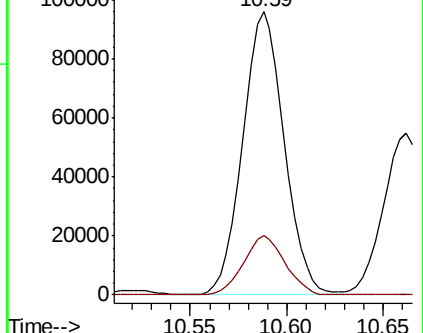
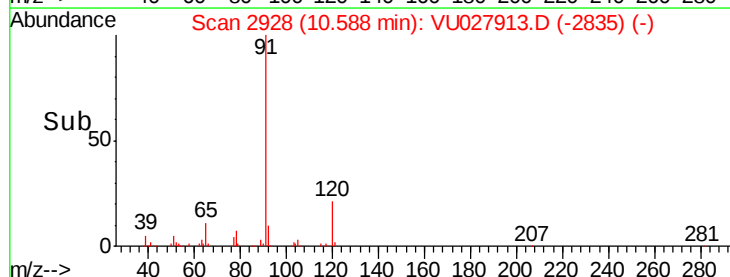
91 100

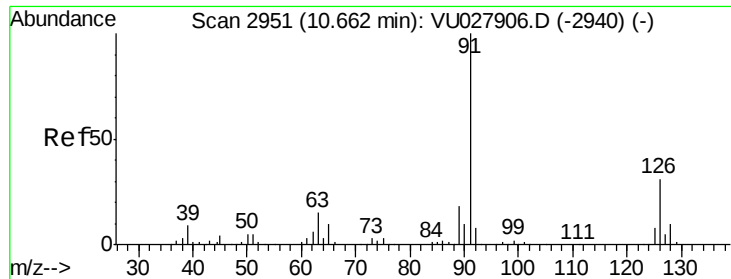
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

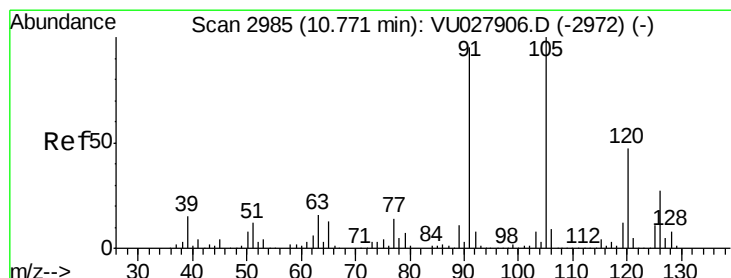
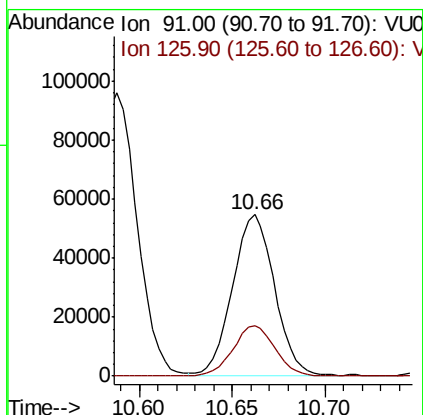
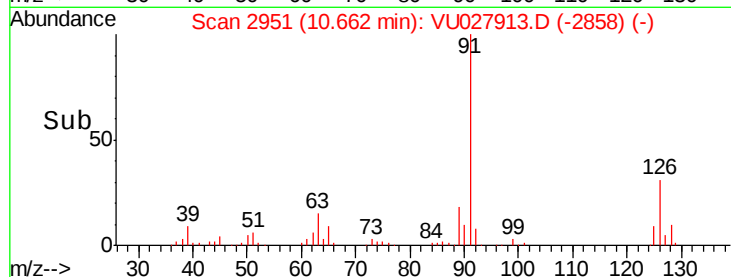
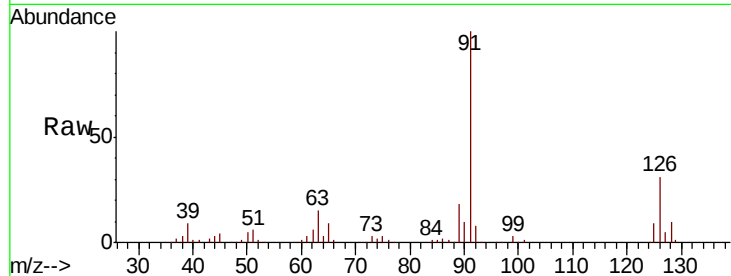




#79
 2-Chlorotoluene
 Concen: 16.171 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

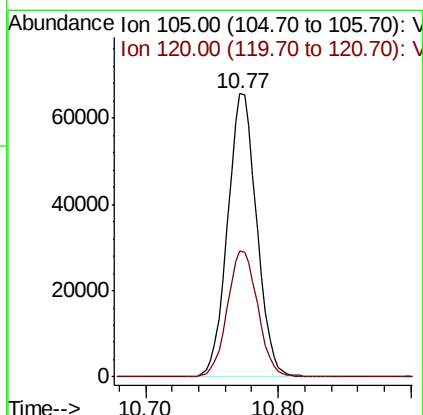
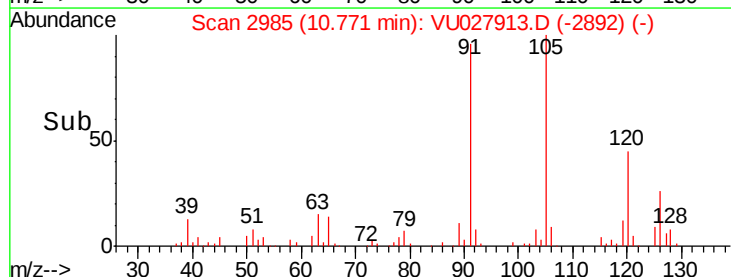
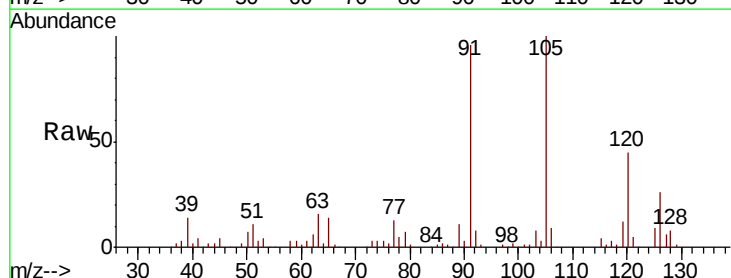
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

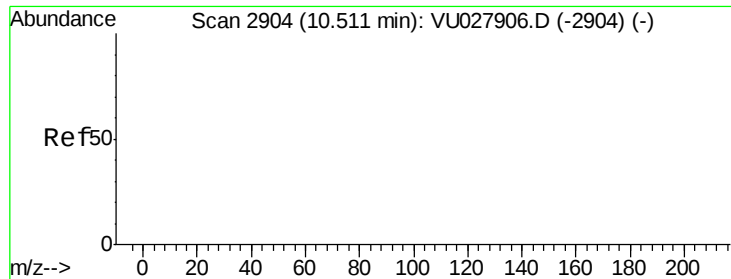
Tot Ion: 91 Resp: 85258
 Ion Ratio Lower Upper
 91 100
 126 31.5 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 16.478 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 105 Resp: 100305
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 53.191 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

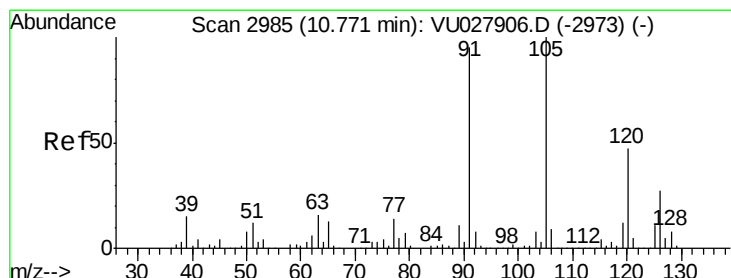
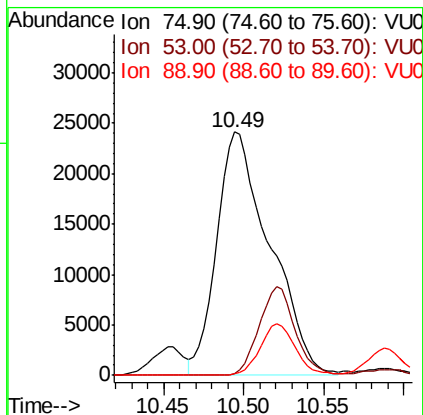
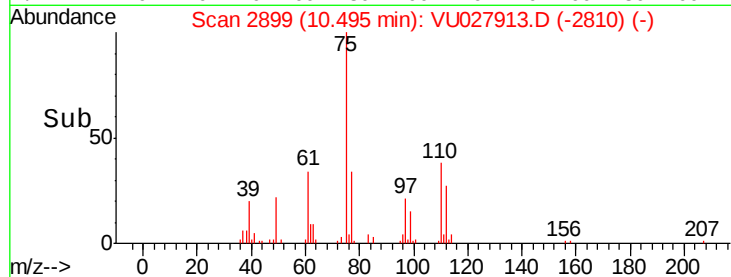
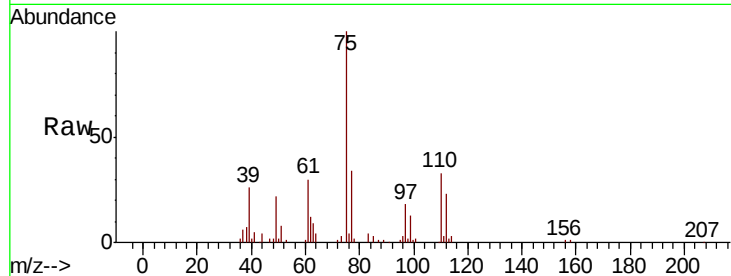
Tot Ion: 75 Resp: 55291

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 16.008 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027913.D

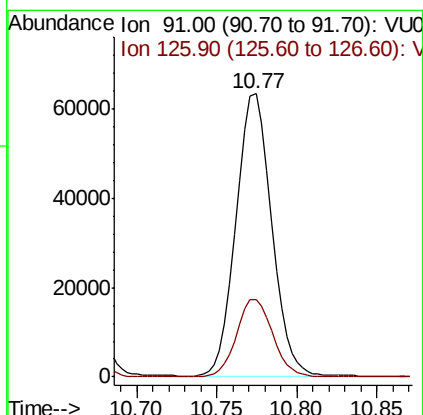
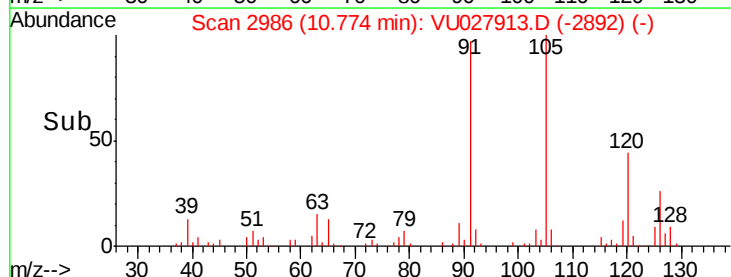
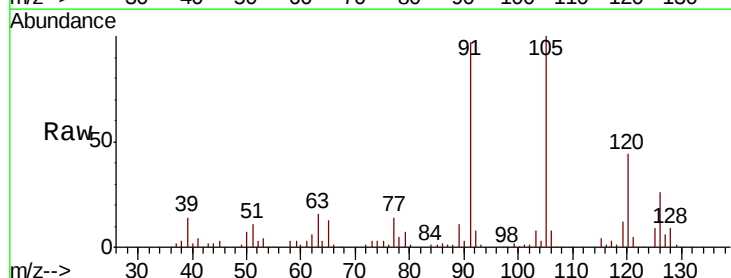
Acq: 02 Nov 2018 10:09

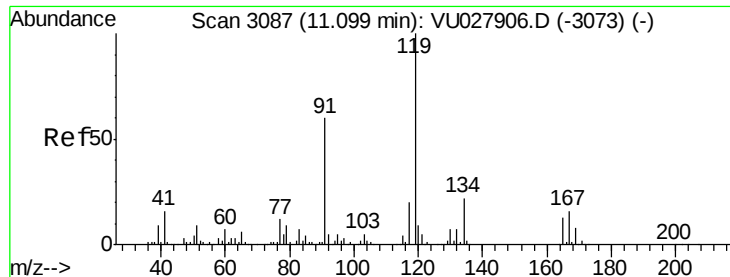
Tgt Ion: 91 Resp: 95816

Ion Ratio Lower Upper

91 100

126 27.9 14.2 42.6

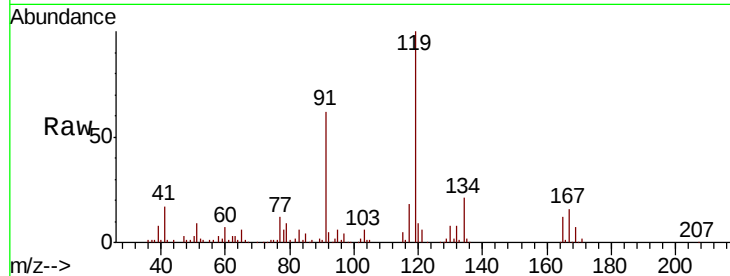




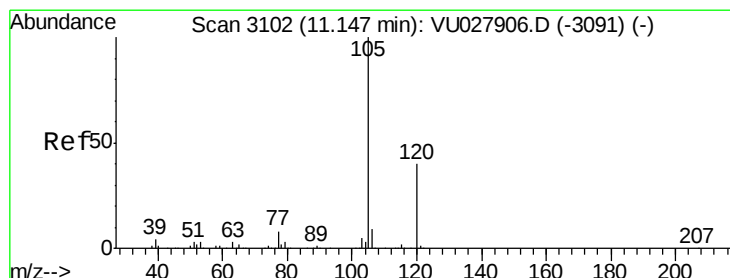
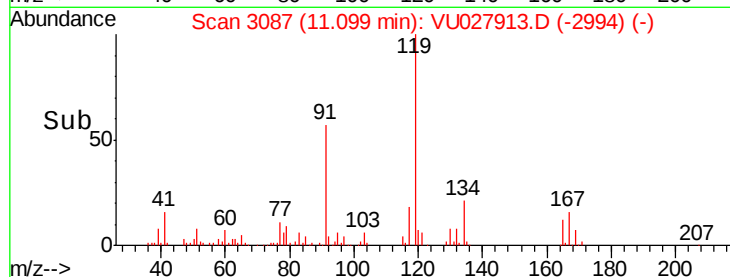
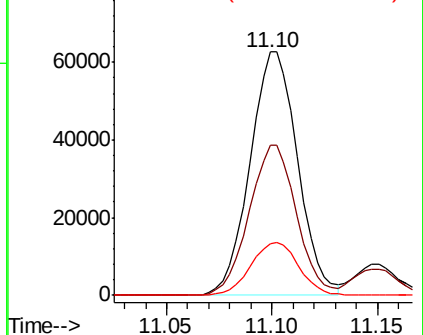
#83
tert-Butylbenzene
Concen: 16.191 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:119 Resp: 98532
Ion Ratio Lower Upper
119 100
91 61.3 29.8 89.3
134 21.9 11.1 33.1

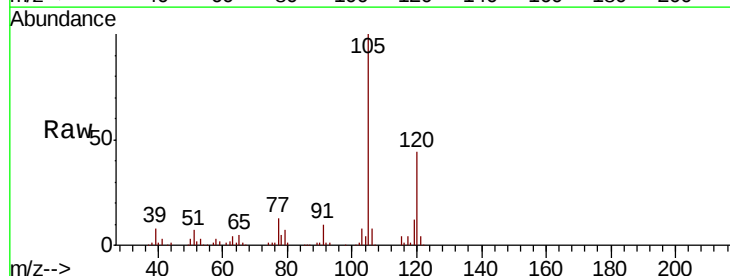


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

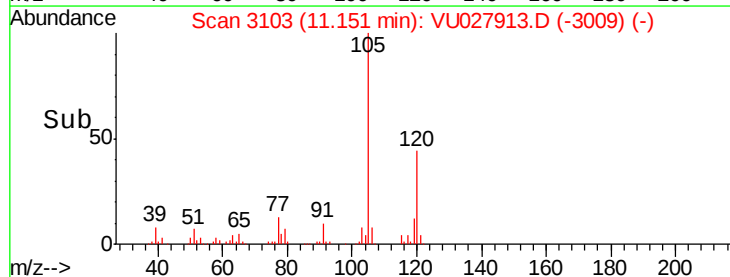
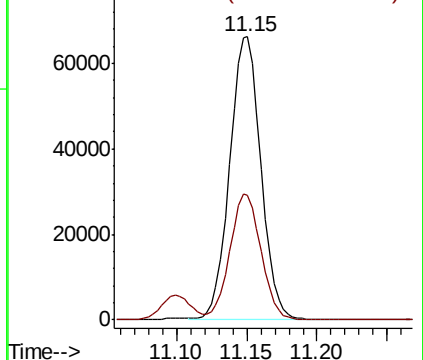


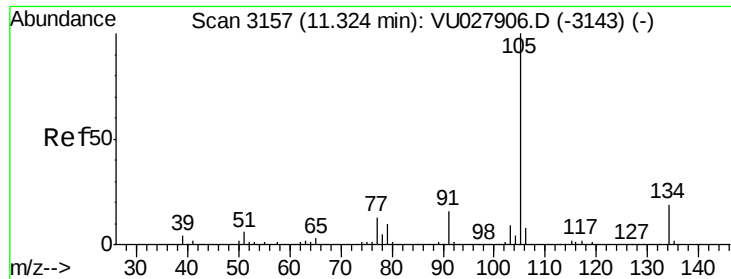
#84
1,2,4-Trimethylbenzene
Concen: 16.762 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:105 Resp: 102742
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

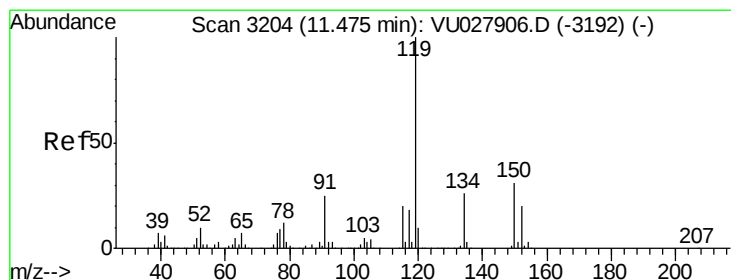
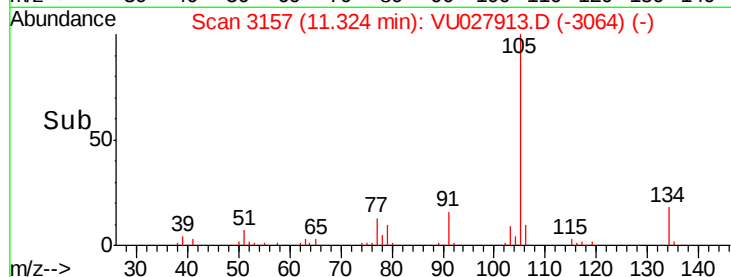
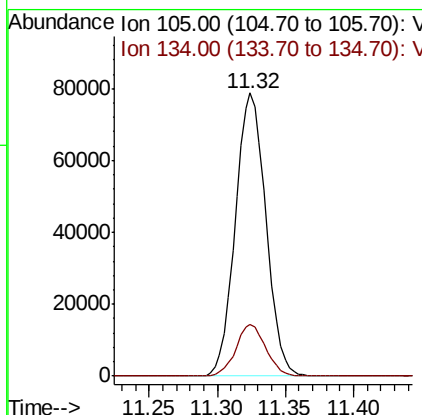
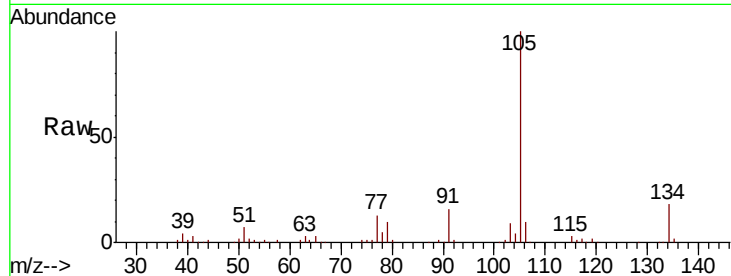




#85
 sec-Butylbenzene
 Concen: 16.548 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

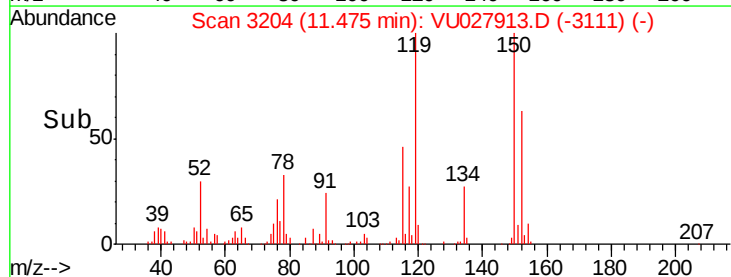
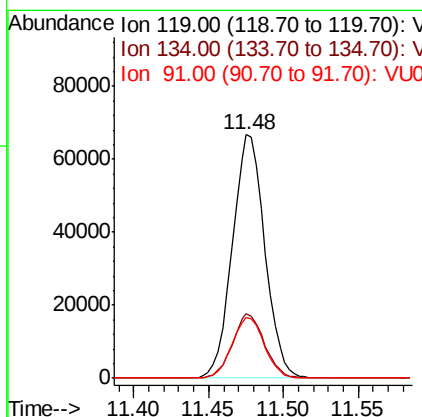
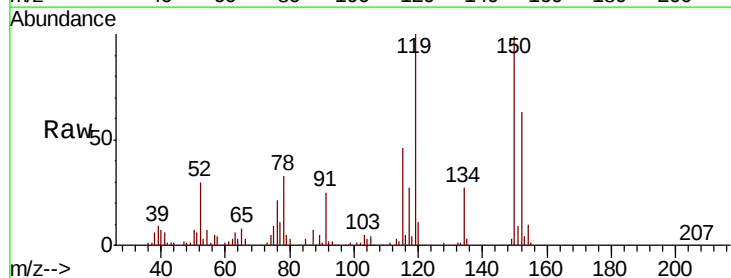
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:105 Resp: 122469
 Ion Ratio Lower Upper
 105 100
 134 17.9 9.2 27.6



#86
 p-Isopropyltoluene
 Concen: 16.265 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion:119 Resp: 100631
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 24.8 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 16.004 ug/l

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

Instrument :

MSVOA_U

ClientSampleId :

VU1102WBS01

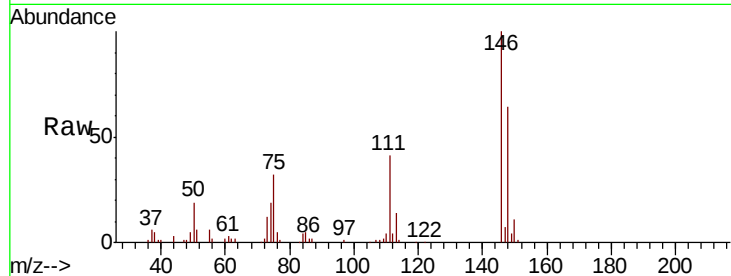
Tot Ion:146 Resp: 49815

Ion Ratio Lower Upper

146 100

111 41.7 20.3 61.0

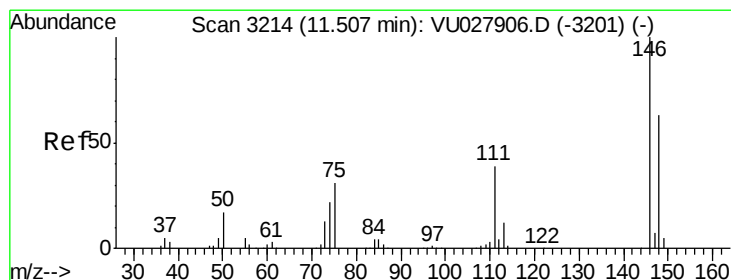
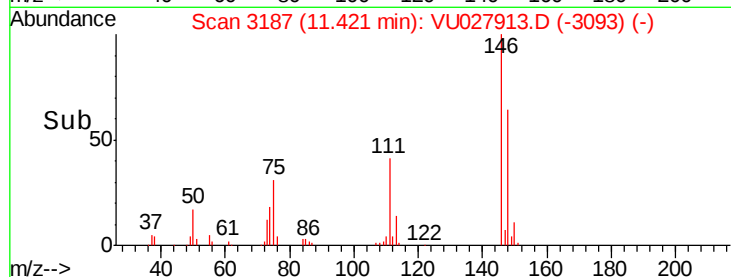
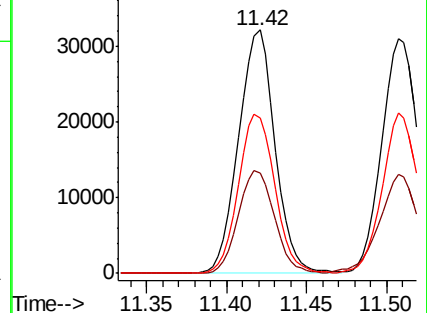
148 65.4 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 15.572 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027913.D

Acq: 02 Nov 2018 10:09

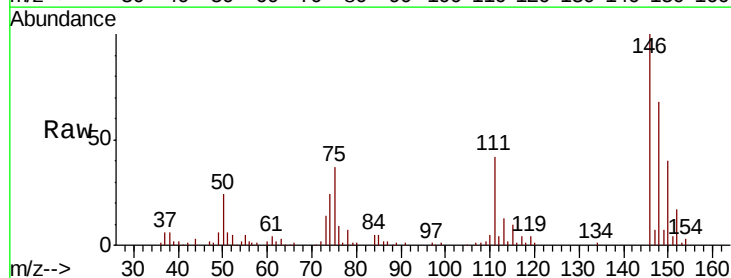
Tgt Ion:146 Resp: 49680

Ion Ratio Lower Upper

146 100

111 44.2 20.3 60.9

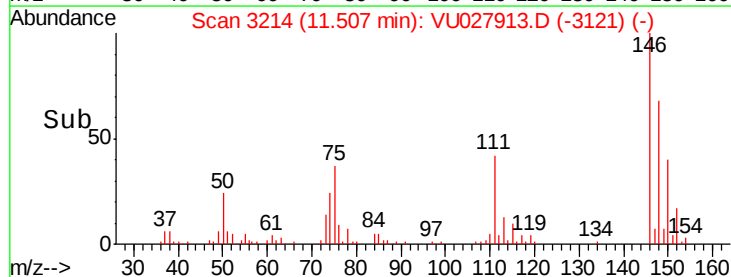
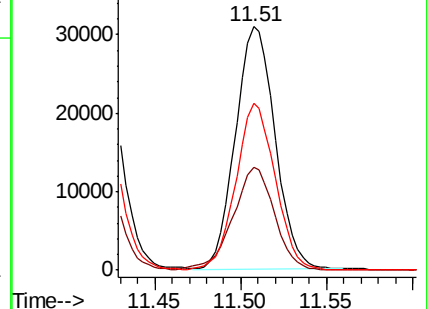
148 67.9 32.0 96.2

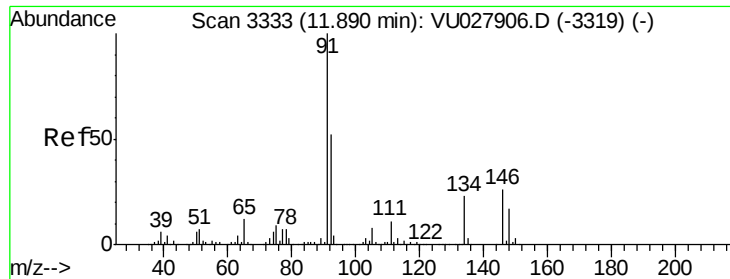


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

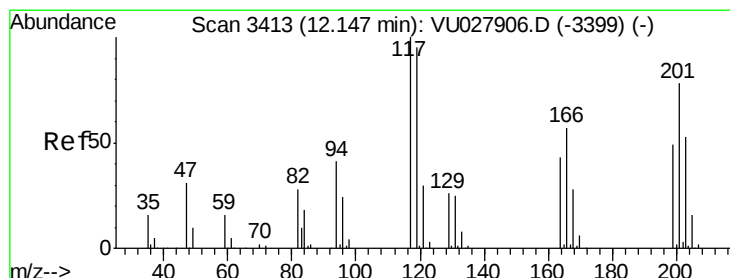
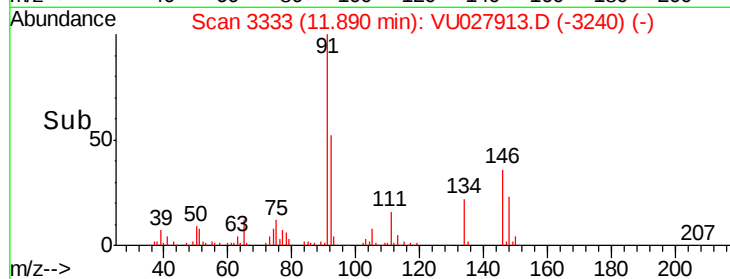
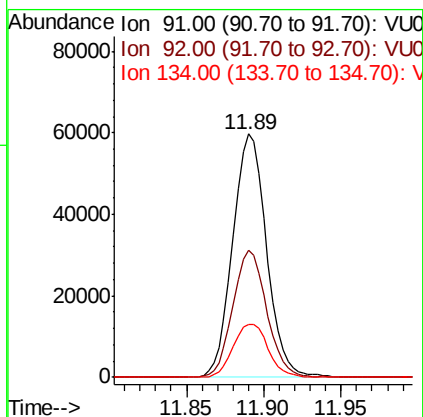
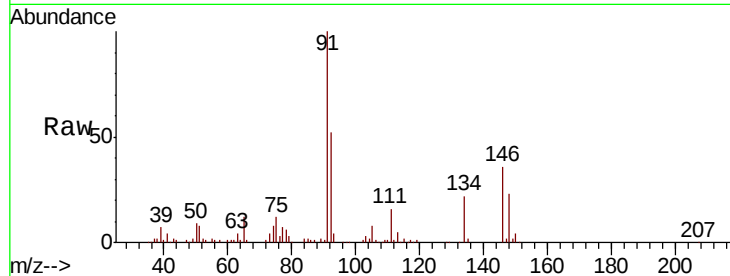




#89
n-Butylbenzene
Concen: 15.410 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

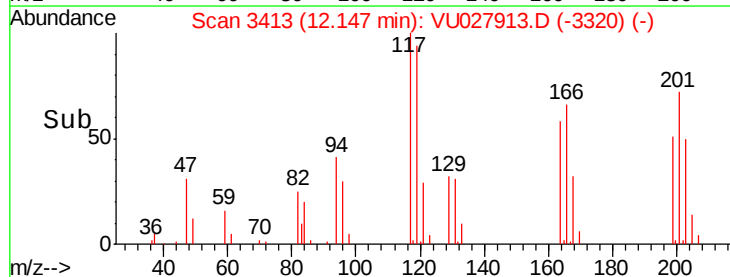
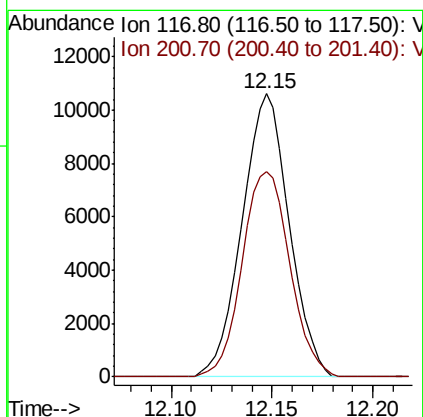
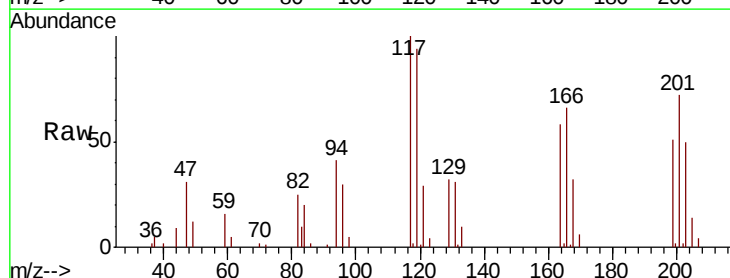
Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

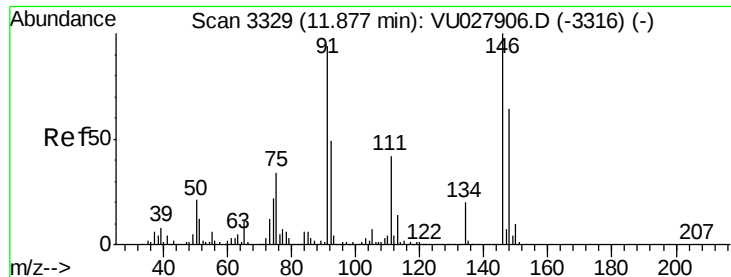
Tot Ion: 91 Resp: 90610
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.5
134 22.7 11.5 34.5



#90
Hexachloroethane
Concen: 15.742 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion: 117 Resp: 17340
Ion Ratio Lower Upper
117 100
201 73.7 38.5 115.5

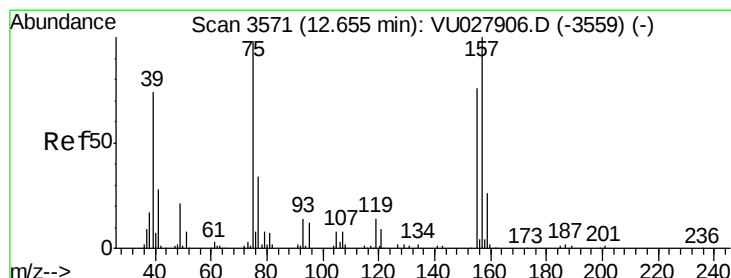
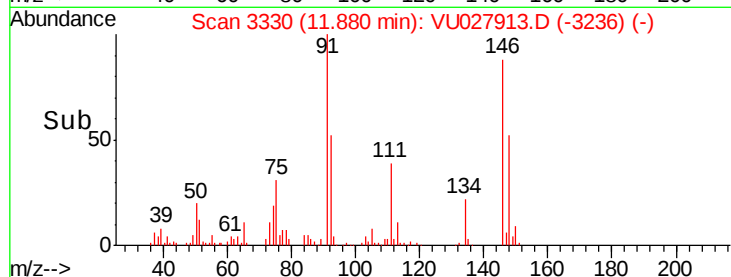
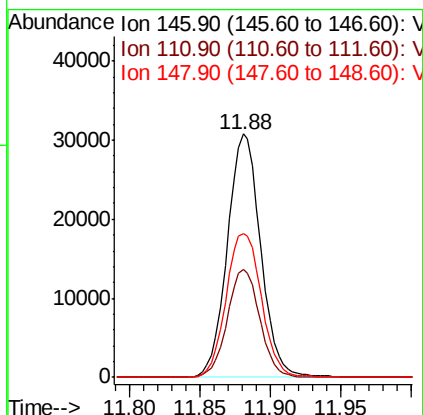
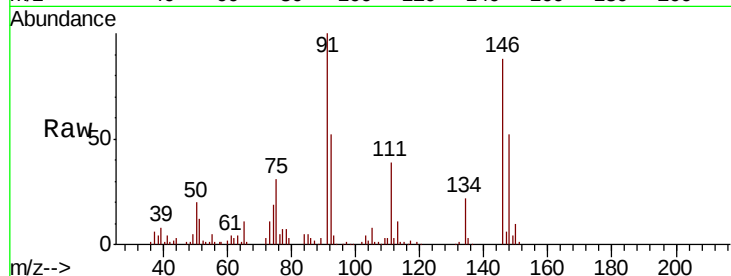




#91
 1,2-Dichlorobenzene
 Concen: 16.233 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

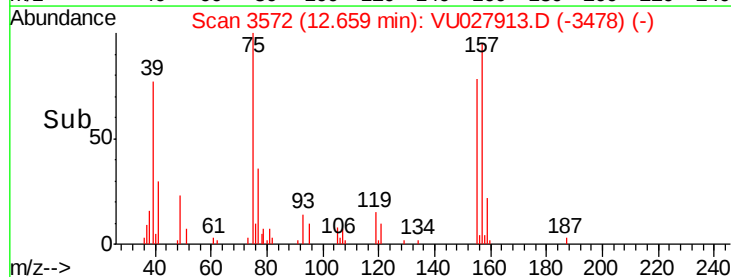
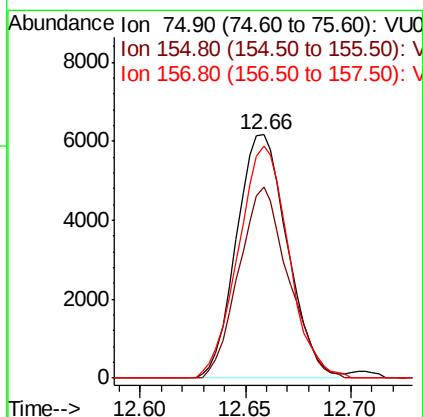
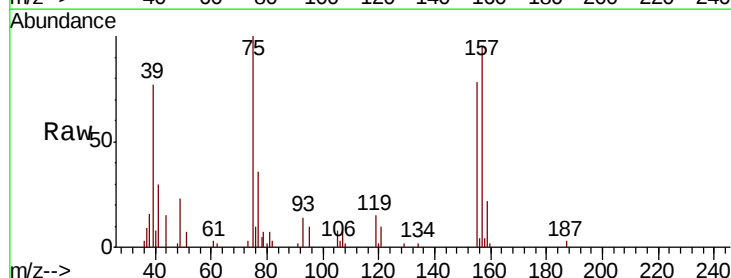
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion:146 Resp: 50811
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.3 64.0
 148 62.6 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.560 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion: 75 Resp: 10343
 Ion Ratio Lower Upper
 75 100
 155 76.3 39.8 119.3
 157 94.4 50.6 151.9

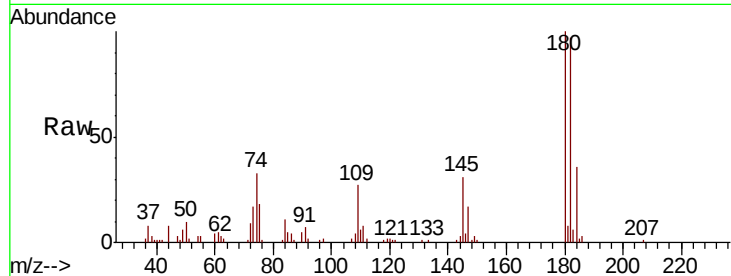




#93
 1,2,4-Trichlorobenzene
 Concen: 15.099 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	48.4	145.2
145	27.2	14.9	44.5

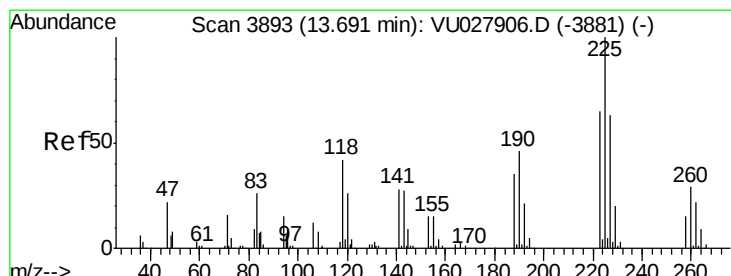
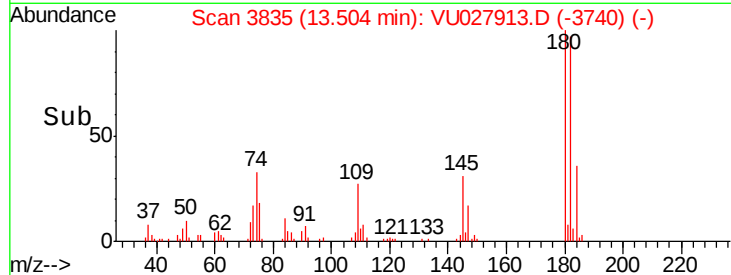
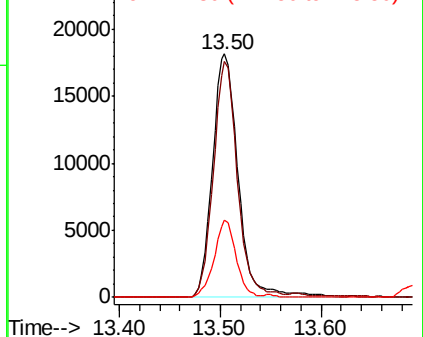


Abundance

Ion 179.80 (179.50 to 180.50): V

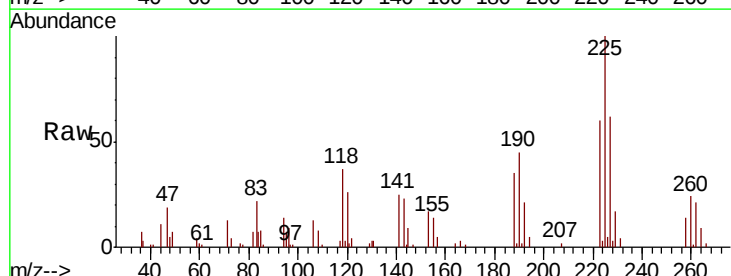
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.105 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027913.D
 Acq: 02 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.2	96.6
227	62.6	32.5	97.4

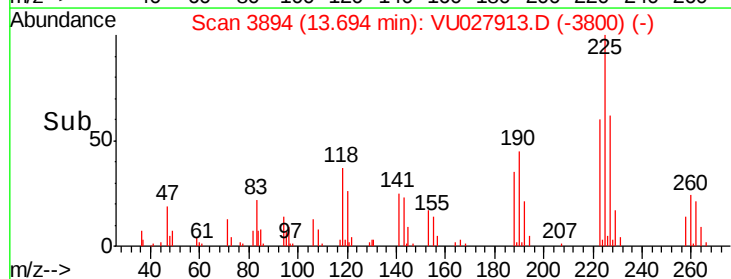
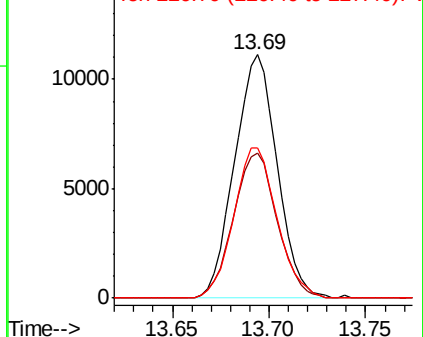


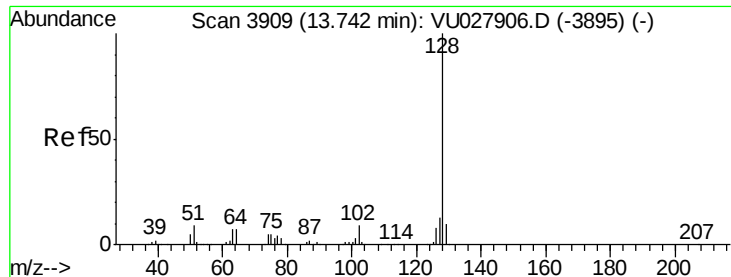
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

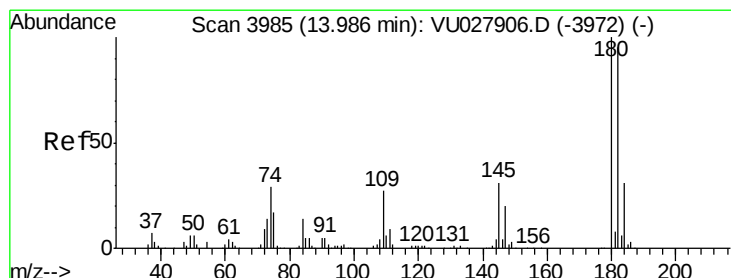
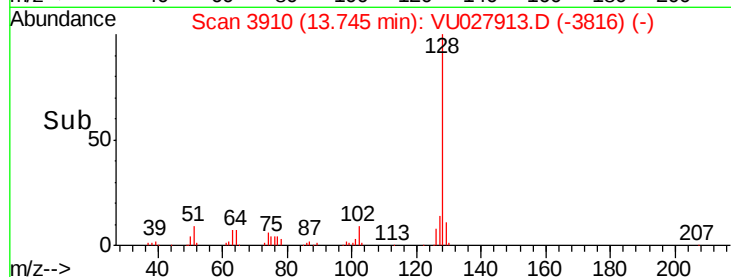
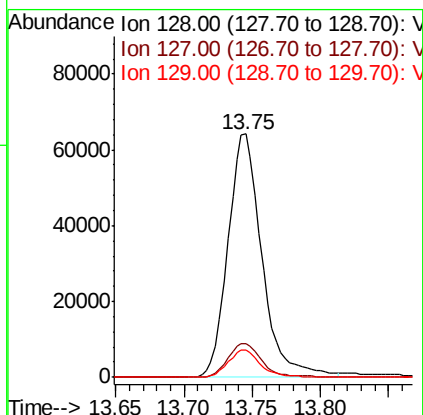
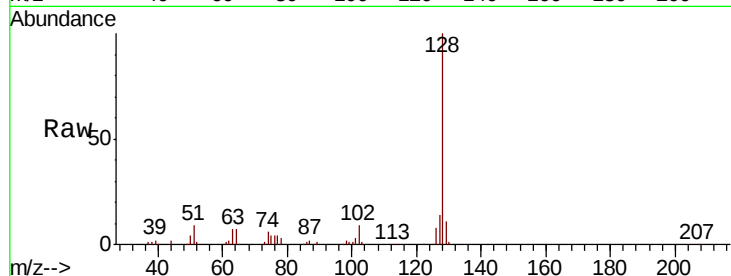




#95
Naphthalene
Concen: 14.155 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Instrument :
MSVOA_U
ClientSampleId :
VU1102WBS01

Tot Ion:128 Resp: 111144
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 10.7 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 15.940 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027913.D
Acq: 02 Nov 2018 10:09

Tgt Ion:180 Resp: 33481
Ion Ratio Lower Upper
180 100
182 94.1 47.4 142.3
145 31.9 16.0 47.9

